

From: Pak, Michael
Sent: Friday, April 11, 2003 2:59 PM
To: STIC-Biotech/ChemLib
Subject: 09/276,935 sequence search

Sequence search - 2 month amendment
App. #: 09/276,935
Result format: Paper.
Title: an orphan nuclear receptor

Please search:

Search interference database.

SEQ ID NO:14
SEQ ID NO:14(a.a. 141-434)
SEQ ID NO:14(a.a. 130-434)

TOP 40 hits.

Thanks,

Mike Pak

Michael Pak
Art Unit 1646
Mailbox: CM1, Rm. 10D19(SPE office, Bonnie Eyler)
Office: CM1, Rm. 10E13
703-305-7038

Michael Pak
USPTO
Art Unit 1646
CM1; Rm. 10E13
703-305-7038

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: 4/11/03
Date Completed: 4/11/03
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: 3
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: 92
WWW/Internet: _____
Other (specify): _____

BioTech-Chem Library

Search Results

Feedback Form (Optional)



Scientific & Technical Inform

The search results generated for your recent request are attached. If you have any questions or comments (compliments or complaints) about the scope or the results of the search, please contact *the Bio1 searcher* who conducted the search or contact:

Mary Hale, Supervisor,
CM-1 Room 1E01

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* (Example: 1610)

➤ *Relevant prior art found, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Search results were not useful in determining patentability or understanding the

Other Comments:

Drop off completed forms at the Circulation Desk CM-1, or send to Mary Hale, CM1-1E01 or mary.hale@uspto.gov

1 FILING DATE: 17-JAN-1995
 2 ATTORNEY/AGENT INFORMATION:
 3 NAME: Kellie, Stephen E.
 4 REGISTRATION NUMBER: 43,192
 5 REFERENCE/JOURNAL NUMBER: P4, 9887
 6 TELECOMMUNICATION INFORMATION:
 7 TELEPHONE: 619-677-1409
 8 TELEFAX: 619-677-1465
 9
 10 INFORMATION FOR SEQ ID NO: 2:
 11 SEQUENCE CHARACTERISTICS:
 12 LENGTH: 386 amino acids
 13 TYPE: amino acid
 14 TOPOLOGY: linear
 15
 16 MOLECULE TYPE: protein
 17
 18 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 19 DS-10-153-627-2

Query Match	37.48;	Score 592;	DB 9;	length 386;
Best Local Similarity	44.88;	Fred. No. 4.60-53;		
Matches 127;	Conservative	46;	Mismatches	71;
	Indels	46;	Gaps	

138 LPPDOCHETIOWAHAIKITHENFTSKNFK-----PIR-----17

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172  -KSNIT- -QFQVATS- -SEAFILM.PHTSDIVTYMK J11SEAKML.P 21

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10b 214 YKSLDTHQJALKQSVAEVSVIRFNIVFNSOIINIMWGPYDFELDMPLAIFRQLFLF 27

274 PIVKIRIMMERKUNNOSSEYAMMAALISTASÄYRIÖVIERIKOIKENHAILLIKELIISÖK

434 PPSJONKILLYPKIMETTELERTVNDISKOLLEIWDIOPATIMEVEG 485

US-09-814-569-1
Sequence 1, Application US/09814569
Patent No. US2010059161A1

1 APPLICANT: Parks, Derek L.
2 APPLICANT: Collins, Jon L.
3 TITLE OF INVENTION: ROBOTIC

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; MODERN OF SEQ IN BIOS : 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1

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ORIENTISM: Homo sapiens
FEATURE:

OTHER INFORMATION: modified histidine tag
05-09-814 569 1

Best Local Similarity: 39.08; Fred. No. 1.1e-41;
Matches: 112; Conservative: 40; Mismatches: 88;
Indels: 47; Gaps:

[illegible][illegible]

MS 09-760-464-1
RESULT 6
MS 09-760-464-1
Sequence 1, Amplified from MS/09760464

```

1 GENERAL INFORMATION:
2
3 APPLICANT: Lehmman, Juerquen Michael
4
5 APPLICANT: Shidou, Andrew Kwan Nan

```

FILE REFERENCE: 018781-004110HS

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1  PUBLICATION NUMBER: 05 60/176, 398
2  PUBLICATION DATE: 2000-01-14

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: SEQ ID NO 1
: LENGTH: 448
: 100% IDT
: 100% IDT

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; FEATURE: human constitutive and costal receptor (CAs) alpha
; OTHER INFORMATION: (CAs)
; OTHER INFORMATION: (CAs)

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Query Match	30.38	Score 479.5, DB 107	Length 348,
Post-local Similarity	39.08	Pred. No. 1,89,41	

14 I F E R G O M M I R E I M D A Q M K T P U T T E S H P K N F R L J V I S S A T F L A F S I C O A I S N R E F A K W T V /

74 RKDLSIKVSLQRIEDSVWNYKLEADSNCKELFSLIPHMAMSTYMEGILSTAKVIS 14

154 YRDLTLENGSLKCAAEHCQIKRNFVNAETGTWENCRKSYTLEHDAVTFQGLLE 19

194 FMKCHYMKKICUJHEEYVIMCATSESPORCEVIOHREYVOCUJGAFACIKSYEENR 2

0Y 254 6PAHHELEKIMAMTILERSINCHOTORLIRIGUHPATIMMOT 299
 11E :
 301 RRPDRRELYAKIEMALERSINEAYGOLOHOOGSAM MELLOET 346

Sequence 9, Application US/09760364

[illegible]

```

1 PRIOR APPLICATION DATA:
2 APPLICATION NUMBER: 08/776,844
3 FILING DATE: unknown
4 APPLICATION NUMBER: 08/941,536.2
5 FILING DATE: 16-APR-1994
6 ALIQUOT/AGENT INFORMATION:
7 NAME: Kagan, Sarah A
8 REGISTRATION NUMBER: 32141
9 REFERENCE/PROJECT NUMBER: 00487.04029
10 TELECOMMUNICATION INFORMATION:
11 TELEPHONE: 202-508-9100
12 TELEFAX: 202-508-9299
13 TELETYPE: unknown
14 INFORMATION FOR SEQ ID NO: 2:
15 SEQUENCE CHARACTERISTICS:
16 LENGTH: 446 amino acids
17 TYPE: amino acid
18 STRANDEDNESS: single
19 TOPOLOGY: linear
20 MOLECULE TYPE: protein
21 SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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TITLE OF INVENTION: RECEPTOR INTERACTING PROTEIN GENE DISCUSSIONS
 FILE REFERENCE: R-684
 CURRENT APPLICATION NUMBER: US/10/013,823
 CURRENT FILING DATE: 2001-12-10
 PRIOR APPLICATION NUMBER: US 60/254,801
 PRIOR FILING DATE: 2000-12-11
 PRIOR APPLICATION NUMBER: US 60/409,404
 PRIOR FILING DATE: 2001-07-31
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 446
 TYPE: PRT
 ORGANISM: Mus musculus
 US-10-013-823-2

Query Match 15.7%; Score 248.5; DB 12; Length 446;
 Best Local Similarity 25.9%; Pred. No. 2, 1e-17;

Matches 81; Conservative 55; Mismatches 106; Indels 71; Gaps 11;

QY 5 GYUPLGVG-----LTFEGRMIRLMIAQKPTDPTFSHEKRFRLGVLSYCELP 56
 DB 188 GTSASSGSGSGEGIIQTAQELMIGQIVAAQLOCNKRSTF ----- 229
 QY 57 KSIQATSRREAAKNSOVKRDLSLKVSLQKGEHAKSVWYKPPADSGKTELSLIRAD 116
 DB 240 -----DQKVTWP-----LCAQ-----PQSRADQQRFA--HETE 258
 QY 117 MSTYMEKGIISPAKYISYERDLPLEQISLTKGAPELQIRNFENETGIMET--- 172
 DB 259 LAIISQELIVDAKQVPHQLOIGRHQDAILKASTETIMLETARRVNIET---EQTTHL 415
 QY 173 GRISYLED-TAGGVOULLERMLKHEMLKKLDLHEFEVLMQALISLSPRRVYIGRL 241
 DB 316 KQETSKIDPHRAGLQVEEINLFEESKAMERLQDLDAEYALLIATNFSABRPQCFPS 375
 QY 232 VNIQVQEFATIKSYIFCNRYQVAPRFLPIKIMAKTELRSINAOHTQRL--LRLODIH 289
 DB 376 REVALQPVVEALLSYTRIKRQDPLR--FERMIMKLVSILKTSVSHQVVALRIQD-- 431
 QY 290 PFATPLMOETFGI 302
 DB 432 KRIPPLISLEIMOV 444

RESULT 15
 US-10-013-823-3
 Sequence 3, Application US/10013823
 Patent No. US20020116731A1
 GENERAL INFORMATION:

APPLICANT: Genether, Catherine
 APPLICANT: Phillips, Russell
 APPLICANT: Allen, Keith D.
 APPLICANT: Zhang, Qin
 APPLICANT: Barbanault, Helene
 TITLE OF INVENTION: TRANSDUCING MICE CONTAINING RETINOID X
 TITLE OF INVENTION: RECEPTOR INTERACTING PROTEIN GENE DISRUPTIONS
 FILE REFERENCE: R-684
 CURRENT APPLICATION NUMBER: US/10/013,823
 CURRENT FILING DATE: 2001-12-10
 PRIOR APPLICATION NUMBER: US 60/254,801
 PRIOR FILING DATE: 2000-12-11
 PRIOR APPLICATION NUMBER: US 60/409,404
 PRIOR FILING DATE: 2001-07-31
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO 3
 LENGTH: 461
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-013-823-3

Query Match 15.6%; Score 248; DB 12; Length 461;

Best Local Similarity 26.7%; Pred. No. 2, 4e-17;
 Matches 80; Conservative 55; Mismatches 103; Indels 64; Gaps 11;

QY 10 GYUPLGVG-----LTFEGRMIRLMIAQKPTDPTFSHEKRFRLGVLSYCELP 56
 DB 217 GYUPLGVG-----LTFEGRMIRLMIAQKPTDPTFSHEKRFRLGVLSYCELP 56
 QY 70 WQVGRKIDLSIKVSLQKGEHAKSVWYKPPADSGKTELSLIRAD 116
 DB 252 WQVGRKIDLSIKVSLQKGEHAKSVWYKPPADSGKTELSLIRAD 116
 QY 140 KYLSYERDLPLEQISLTKGAPELQIRNFENETGIMET---EQTTHL 415
 DB 287 KQETSKIDPHRAGLQVEEINLFEESKAMERLQDLDAEYALLIATNFSABRPQCFPS 375
 QY 185 GRISYLED-TAGGVOULLERMLKHEMLKKLDLHEFEVLMQALISLSPRRVYIGRL 241
 DB 344 GYUPLGVG-----LTFEGRMIRLMIAQKPTDPTFSHEKRFRLGVLSYCELP 56
 QY 245 KSYIED-NRQVAPRFLPIKIMAKTELRSINAOHTQRL--LRLODIH 289
 DB 404 SYTRIKRQDPLR--FERMIMKLVSILKTSVSHQVVALRIQD--KRIPPLISLEIMOV 444
 RESULT 16
 US-10-188-721-1
 Sequence 1, Application US/10188721
 Patent No. US20040019160A1
 GENERAL INFORMATION:
 APPLICANT: BADER, GILRIKE
 APPLICANT: CHENVALIATH, ZACHARY
 APPLICANT: DEUSCHLE, DIETRICH
 APPLICANT: DNEBOVSKAYA, ELENA
 APPLICANT: GABMAN, TIM
 APPLICANT: GIESCHT, KRISTINA
 APPLICANT: HANEGAR, RONNIE
 APPLICANT: HERBERT, NORMAND
 APPLICANT: KETLEY, JOHN
 APPLICANT: KOBER, INGO
 APPLICANT: KOOL, MANFRED
 APPLICANT: KRAVZ, HARALD
 APPLICANT: KROMOSER, CLAUDS
 APPLICANT: LIT, MATTHEW R.
 APPLICANT: OTTE, KERSTIN
 APPLICANT: SAGE, CARLTON
 APPLICANT: SUD, MANISH
 TITLE OF INVENTION: NR1H4 NOD PAR RECEPTOR BINDING COMPOUNDS
 FILE REFERENCE: 55904-29
 CURRENT APPLICATION NUMBER: US/10/188,721
 CURRENT FILING DATE: 2002-07-01
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: Patent In Ver. 2.1
 SEQ ID NO 1
 LENGTH: 476
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-188-721-1

Query Match 15.2%; Score 241.5; DB 9; Length 476;
 Best Local Similarity 31.9%; Pred. No. 1, 2e-16;
 Matches 65; Conservative 44; Mismatches 82; Indels 13; Gaps 7;

QY 105 KETLEY, JOHN
 DB 279 KETLEY, JOHN
 QY 162 VNAELGIWELGRI SVYQLEDAFGGQLEPEMLKQYMKKQVHEFEVLMQALISLSP 241
 DB 339 LNKKIPSHSHLEERLRS--GISQYTLIFESYKSLGKMLQEFVALLIATVLS 496
 QY 222 PQRVYQIDRVYQVQVQVPAATTKSYTECRKO--FAHRELPIKIMAKTELRSINAOHTQ 289
 DB 397 PQRVYQIDRVYQVQVQVPAATTKSYTECRKO--FAHRELPIKIMAKTELRSINAOHTQ 289


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1 TITLE OF INVENTION: No. US20020119521A1el Ecdysone Receptor-Based Inducible Gene Exp
2 FILE REFERENCE: A010206
3 CURRENT APPLICATION NUMBER: US/09/965,703
4 CURRENT FILING DATE: 2001-09-26
5 PRIOR APPLICATION NUMBER: 60/191,455
6 PRIOR FILING DATE: 2000-04-22
7 PRIOR APPLICATION NUMBER: 60/269,799
8 PRIOR FILING DATE: 2001-02-20
9 PRIOR APPLICATION NUMBER: PCT/US01/09050
10 PRIOR FILING DATE: 2001-04-21
11 NUMBER OF SEQ ID NOS: 75
12 SOFTWARE: Patent In version 3.1
13 SEQ ID NO: 18
14 LENGTH: 549
15 TYPE: prt
16 ORGANISM: Drosophila melanogaster
17 FEATURE:
18 NAME/KEY: misc_feature
19 OTHER INFORMATION: No. US20020119521A1el Sequence
20 US-09-965-703-18

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Query Match 12.5% Score 198; DB 10; Length 549;
Host Local Similarity 24.9%; Pred. No. 470-12;
Matches 85; Conservative 57; Mismatches 145; Indels 64; Gaps 12;

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0Y 16 ECDYMRTELMDQKKTPTDTSFHKRNLPGVLSG-----CELPESLG 60
0B 8 ENQCAKKRKKAKCKEKKMTTSSSCHGNSJASAGQDQVYKKELLDLMTEPHQAT 57
0Y 61 APSREFAAKWSVGRKIDSLKVSJLQKEDGGSW---NYKPAASGCKETFS----- 109
0B 68 ILLPDELLAKVARNISITLYNQLAVTYKLWYQYGEQSEPHLRKMSPPDINSQ 126
0Y 110 ----LLPHMAMSYMKKGISPAKVISYFRLPFLFDQISLKKAAFLGQHR----- 159
0B 127 TIVSEPHITLITIVQIVLVEFAKGLPAFLTPQDPDITLKACSSVMLRMARRYDS 186
0Y 160 NTFVNAETGWESGRISYEDJAGFQDILPEMLKPYMKKIDHEEYVLMQATS 218
0B 187 SUSTEFAANNKSYT--KOSYKMAAMDN-----EDLLHPGQMSMKVINVEYALLIV 249
0Y 219 IESPHPSVQIHRVYQIQQOPATILKSYTECR--VQPAHRELEIKMAMLEIKSINA 276
0B 240 IESPHPSVQIHRVYQIQQOPATILKSYTECR--VQPAHRELEIKMAMLEIKSINA 276
0Y 277 QHTQR-----ILRQDHPFATPLMQELPGII 303
0B 298 QNAWMTFSIKKRNKLPKLEPIWMVHAI--PPVSUSHQIT 337

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RESULT 25
US-09-853-450-18
1 Sequence 18, Application US/09854450
2 Publication No. US20020194645A1
3 GENERAL INFORMATION:
4 APPLICANT: Yanoitsky, Martin F.
5 APPLICANT: Peltz, Soraya
6 APPLICANT: Piller, Gary
7 TITLE OF INVENTION: The Regents of the University of California
8 TITLE OF INVENTION: Exhibiting Modulated Reproductive Development
9 FILE REFERENCE: 19452A-00240005
10 CURRENT APPLICATION NUMBER: US/09/853,450
11 CURRENT FILING DATE: 2001-05-09
12 NUMBER OF SEQ ID NOS: 61
13 SOFTWARE: Patent In Ver. 2.1
14 SEQ ID NO: 18
15 LENGTH: 550
16 TYPE: prt
17 ORGANISM: Drosophila melanogaster
18 FEATURE:
19 OTHER INFORMATION: ecdysone receptor ligand binding domain
20 US-09-853-450-18

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Query Match 12.5% Score 198; DB 9; Length 550;
Host Local Similarity 24.9%; Pred. No. 470-12;
Matches 85; Conservative 57; Mismatches 145; Indels 64; Gaps 12;

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0Y 16 ECDYMRTELMDQKKTPTDTSFHKRNLPGVLSG-----CELPESLG 60
0B 9 ENQCAKKRKKAKCKEKKMTTSSSCHGNSJASAGQDQVYKKELLDLMTEPHQAT 68
0Y 61 APSREFAAKWSVGRKIDSLKVSJLQKEDGGSW---NYKPAASGCKETFS----- 109
0B 69 ILLPDELLAKVARNISITLYNQLAVTYKLWYQYGEQSEPHLRKMSPPDINSQ 127
0Y 110 ----LLPHMAMSYMKKGISPAKVISYFRLPFLFDQISLKKAAFLGQHR----- 159
0B 128 TIVSEPHITLITIVQIVLVEFAKGLPAFLTPQDPDITLKACSSVMLRMARRYDS 187
0Y 160 NTFVNAETGWESGRISYEDJAGFQDILPEMLKPYMKKIDHEEYVLMQATS 218
0B 188 SUSTEFAANNKSYT--KOSYKMAAMDN-----EDLLHPGQMSMKVINVEYALLIV 249
0Y 219 IESPHPSVQIHRVYQIQQOPATILKSYTECR--VQPAHRELEIKMAMLEIKSINA 276
0B 241 IESPHPSVQIHRVYQIQQOPATILKSYTECR--VQPAHRELEIKMAMLEIKSINA 276
0Y 277 QHTQR-----ILRQDHPFATPLMQELPGII 303
0B 299 QNAWMTFSIKKRNKLPKLEPIWMVHAI--PPVSUSHQIT 338

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RESULT 26
US-09-965-703-17
1 Sequence 17, Application US/09965703
2 Patent No. US2002019521A1
3 GENERAL INFORMATION:
4 APPLICANT: Rohm and Haas Company
5 APPLICANT: Peltz, Soraya Rosdy
6 APPLICANT: Kapitskaya, Marianna Zinovjevna
7 APPLICANT: Gross, Dean David
8 TITLE OF INVENTION: No. US20020119521A1el Ecdysone Receptor-Based Inducible Gene E
9 FILE REFERENCE: A010206
10 CURRENT APPLICATION NUMBER: US/09/965,704
11 CURRENT FILING DATE: 2001-09-26
12 PRIOR APPLICATION NUMBER: 60/191,455
13 PRIOR FILING DATE: 2000-03-22
14 PRIOR APPLICATION NUMBER: 60/269,799
15 PRIOR FILING DATE: 2001-02-20
16 PRIOR APPLICATION NUMBER: PCT/US01/09050
17 PRIOR FILING DATE: 2001-04-21
18 NUMBER OF SEQ ID NOS: 75
19 SOFTWARE: Patent In version 3.1
20 SEQ ID NO: 17
21 LENGTH: 583
22 TYPE: prt
23 ORGANISM: Drosophila melanogaster
24 FEATURE:
25 NAME/KEY: misc_feature
26 OTHER INFORMATION: No. US20020119521A1el Sequence
27 US-09-965-703-17

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Query Match 12.5% Score 198; DB 10; Length 583;
Host Local Similarity 24.9%; Pred. No. 510-12;
Matches 85; Conservative 57; Mismatches 145; Indels 64; Gaps 12;

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0Y 16 ECDYMRTELMDQKKTPTDTSFHKRNLPGVLSG-----CELPESLG 60
0B 42 ENQCAKKRKKAKCKEKKMTTSSSCHGNSJASAGQDQVYKKELLDLMTEPHQAT 101
0Y 61 APSREFAAKWSVGRKIDSLKVSJLQKEDGGSW---NYKPAASGCKETFS----- 109
0B 102 ILLPDELLAKVARNISITLYNQLAVTYKLWYQYGEQSEPHLRKMSPPDINSQ 160
0Y 110 ----LLPHMAMSYMKKGISPAKVISYFRLPFLFDQISLKKAAFLGQHR----- 159

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10 141 OVERBRIEFTELIVOLIVAFKATIKTUGELITILKONSTYVAKLIMAVRYDIN 200

07 160 NIVNANETGIMWISVAGISVLEIPIAIPBEGULLEPOMKRYMOKKIOLEHREYVIMAS 219

10 221 NOSTIFANNRISVY ROSYKKAOMAN IEDLEPOMKRYMOKKIOLEHREYVIMAS 273

07 219 EISREPVIVIGORVODIGOFATILKSYLEINR PUVANDELKIKAMILEKISINA 276

10 274 IES LORPEKKAIVAGISVYITILKTY IEDLEPOMKRYMOKKIOLEHREYVIMAS 333

07 277 GUTOP --- LARUOIHIVATIPMOTEPIT 403

10 342 GNADEPESIKIKRNIKRELEIMOVHAI PISVASHGUT 471

RESULT 27

US 09 065 704 16

1 Sequence 16, Application US/09065704

2 Patent No. US2002017921A1

3 GENERAL INFORMATION:

4 APPLICANT: Eddi and Boos company

5 APPLICANT: ELLI, Boos, Boody

6 APPLICANT: Koppitskaya, Marianna Zinov'yevna

7 APPLICANT: Cross, Jean Etienne

8 TITLE OF INVENTION: No. US2002017921A1-1 Bodytone receptor-based method for gene exp

9 FILE REFERENCE: A010200

10 CURRENT APPLICATION NUMBER: US/09065704

11 PRIORITY FILING DATE: 2001 09 26

12 PRIOR APPLICATION NUMBER: 60/191,455

13 PRIOR FILING DATE: 2000 04 22

14 PRIOR APPLICATION NUMBER: 60/249,799

15 PRIOR FILING DATE: 2001 02 20

16 PRIOR APPLICATION NUMBER: PCT/US01/09050

17 NUMBER OF SEQ ID NOS: 75

18 SOURCE: isolated in vitro

19 SEQ ID NO: 16

20 LENGTH: 625

21 TYPE: pct

22 ORGANISM: Escherichia coli

23 FEATURE:

24 NAME/KEY: gene feature

25 OTHER INFORMATION: No. US2002017921A1-1 Sequence

US 09 065 704 16

Query Match 12.58 Score 196 Len 625

Best Local Similarity 24.98 Prod. No. 76 127

Matchos 852 Conservation 577 Mismatch 150 Indels 64 Gaps 127

07 16 EISREPVIVIGORVODIGOFATILKSYLEINR PUVANDELKIKAMILEKISINA 276

10 221 NOSTIFANNRISVY ROSYKKAOMAN IEDLEPOMKRYMOKKIOLEHREYVIMAS 273

07 219 EISREPVIVIGORVODIGOFATILKSYLEINR PUVANDELKIKAMILEKISINA 276

10 274 IES LORPEKKAIVAGISVYITILKTY IEDLEPOMKRYMOKKIOLEHREYVIMAS 333

07 277 GUTOP --- LARUOIHIVATIPMOTEPIT 403

10 342 GNADEPESIKIKRNIKRELEIMOVHAI PISVASHGUT 471

10 141 OVERBRIEFTELIVOLIVAFKATIKTUGELITILKONSTYVAKLIMAVRYDIN 200

07 160 NIVNANETGIMWISVAGISVLEIPIAIPBEGULLEPOMKRYMOKKIOLEHREYVIMAS 219

10 221 NOSTIFANNRISVY ROSYKKAOMAN IEDLEPOMKRYMOKKIOLEHREYVIMAS 273

07 219 EISREPVIVIGORVODIGOFATILKSYLEINR PUVANDELKIKAMILEKISINA 276

10 274 IES LORPEKKAIVAGISVYITILKTY IEDLEPOMKRYMOKKIOLEHREYVIMAS 333

07 277 GUTOP --- LARUOIHIVATIPMOTEPIT 403

10 342 GNADEPESIKIKRNIKRELEIMOVHAI PISVASHGUT 471

RESULT 28

US 09 042 4886 5

1 Sequence 5, Application US/090424886

2 Patent No. US2002017954A1

3 GENERAL INFORMATION:

4 APPLICANT: EVANS, RONALD M.

5 APPLICANT: NO, JAVITO

6 TITLE OF INVENTION: SAFETY ENCLURE

7 FILE REFERENCE: MARRALLIAN SYSTEMS, AND PRODUCTS RELATED THEREO

8 CURRENT APPLICATION NUMBER: US/090424886

9 PRIORITY FILING DATE: 1998 08 16

10 PRIOR APPLICATION NUMBER: 08/774,540

11 PRIOR FILING DATE: 1997 11 19

12 PRIOR APPLICATION NUMBER: 08/728,840

13 NUMBER OF SEQ ID NOS: 18

14 SOURCE: isolated in vitro

15 SEQ ID NO: 5

16 LENGTH: 746

17 TYPE: pct

18 ORGANISM: Artificial Sequence

19 FEATURE:

20 OTHER INFORMATION: Description of Artificial Sequence: recombinant

US 09 042 4886 5

Query Match 12.58 Score 196 Len 746

Best Local Similarity 24.98 Prod. No. 76 127

Matchos 852 Conservation 577 Mismatch 150 Indels 64 Gaps 127

07 16 EISREPVIVIGORVODIGOFATILKSYLEINR PUVANDELKIKAMILEKISINA 276

10 221 NOSTIFANNRISVY ROSYKKAOMAN IEDLEPOMKRYMOKKIOLEHREYVIMAS 273

07 219 EISREPVIVIGORVODIGOFATILKSYLEINR PUVANDELKIKAMILEKISINA 276

10 274 IES LORPEKKAIVAGISVYITILKTY IEDLEPOMKRYMOKKIOLEHREYVIMAS 333

07 277 GUTOP --- LARUOIHIVATIPMOTEPIT 403

10 342 GNADEPESIKIKRNIKRELEIMOVHAI PISVASHGUT 471

RESULT 30
 US-09-042-488B-9
 Sequence 9, Application US/09042488B
 Patent No. US201020177564A1
 GENERAL INFORMATION:
 APPLICANT: EVANS, RONALD M
 APPLICANT: NO, DAVID
 APPLICANT: SAEZ, ENRIQUE
 TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF FOREIGN GENES IN
 TITLE OF INVENTION: MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
 FILE REFERENCE: SAIRI 5,20-2
 CURRENT APPLICATION NUMBER: US/09/042,488B
 CURRENT FILING DATE: 1998-03-16
 PRIOR APPLICATION NUMBER: 08/9744,530
 PRIOR FILING DATE: 1997-11-19
 PRIOR APPLICATION NUMBER: 08/628,840
 PRIOR FILING DATE: 1996-04-05
 NUMBER OF SEQ ID NOS: 14
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 9
 LENGTH: 1041
 TYPE: CDS
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: recombinant
 OTHER INFORMATION: GENE
 US-09-042 488B-9
 Query Match 12.58, Score 198, DH 97, Length 1041,
 Best Local Similarity 24.98, Prod No. 1,2e+11;

[illegible]


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: Sequence 19, Application US/09965703
: Patent No. US20020119521A1
: GENERAL INFORMATION:
: APPLICANT: Kohn and Haas Company
: APPLICANT: Paili, Subba Reddy
: APPLICANT: Kapitskaya, Marianna Zinovjevna
: APPLICANT: Gress, Dean Edwin
: TITLE OF INVENTION: NO. US20020119521A1el Endysone Receptor-Based Inducible Gene Expr
: FILE REFERENCE: A010204
: CURRENT APPLICATION NUMBER: US/09/965,703
: CURRENT FILING DATE: 2001-09-26
: PRIOR APPLICATION NUMBER: 60/191,355
: PRIOR FILING DATE: 2000-03-22
: PRIOR APPLICATION NUMBER: 60/269,799
: PRIOR FILING DATE: 2001-02-20
: PRIOR APPLICATION NUMBER: PCT/US01/09050
: PRIOR FILING DATE: 2001-03-21
: NUMBER OF SEQ ID NOS: 75
: SOFTWARE: Patent In version 4.1
: SEQ ID NO 19
: LENGTH: 445
: TYPE: prt
: ORGANISM: Drosophila melanogaster
: FEATURE:
: NAME/KEY: misc feature
: OTHER INFORMATION: NO. US20020119521A1el Sequence
US 09-965 703-19

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Query Match 11-98: Score 188.9; DB 10; Length 445;
Best local similarity 26.48; Prod. No. 3,4e-11;
Matches 64; Conservative 48; Mismatches 86; Indels 45; Gaps 9;

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QY 96 YKPVASGCKEIPSS-----LITFMALMSTYMRKGIISFAKVISYKQLPINQI 144
DB 1 YQVSPFQULRRINSQPNESQTFVSPKILITLITVQGLVEPAKGLPAFTKIPQHQI 60
QY 145 SLKGAFFELQLEF-----NIVFAETGTWEGDRESYETHTAGRPDQLLEPMK 196
DB 61 ELKACSSVMMIMAKRYDHSSTISFFANNKSYT--RDSYKMGAMDN-----TELLH 113
QY 197 FHYMKKLIHFEHYVMATSLFSPDRPGVLIQHVYQQLQGFATILKSYTEGR--EQ 254
DB 114 FCHOMSSKVENVEYALITATVPS--DRGLFKQGLVATQSYITLRTVYI--LNRPGD 171
QY 255 PAHRELUKIMAMITELRSTINQTOR-----LRIQIHPPATPIQOLEF 300
DB 172 SMSLVEYAKLILITELRTIQNMAKCESLKKKKRIKPLTEFLINDVHAI--PSSVGSHT 200
QY 301 GTT 303
DB 231 QIT 233

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Job time : 21.1249 secs

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Genotore version 5.1.4-p5.4578
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OM protein protein search, using sw model

Run on: April 15, 2003, 11:18:57 : Search time 10.6292 seconds

(without alignments)
844,274 Million cell updates/sec

Title: US-09-276-935D-14_COPY_130_434

Perfect score: 1585

Sequence: 1 SRRTGTPGLAVGUGTEFFORM.....QDHPFATPLMGLGFGGS 305

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Gap: 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum hit seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database:

Issued Patent's AA *

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2: /cgn2_6/ptodata/1/1ad/5A.COMB.pep.*
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4: /cgn2_6/ptodata/1/1ad/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1ad/6C.COMB.pep.*
6: /cgn2_6/ptodata/1/1ad/6D.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being pinned, and is derived by analysis of the total score distribution.

SUMMARIES

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2	479.5	30.3	348	1	US-08-459-489-10
3	479.5	30.3	348	1	US-08-459-686-10
4	479.5	30.3	348	1	US-07-843-450C-10
5	478	30.2	367	1	US-07-737-736B-4
6	470	29.7	427	4	US-08-764-870-11
7	249.5	15.7	446	4	US-08-372-652-3
8	249.5	15.7	446	5	PCT-US95-16311-3
9	248.5	15.7	446	4	US-08-776-844-2
10	248	15.6	461	1	US-08-340-518-2
11	248	15.6	461	1	US-08-340-283-2
12	248	15.6	461	2	US-08-646-248-2
13	248	15.6	461	5	PCT-US95-13924-2
14	248	15.6	461	5	PCT-US95-13931-2
15	247	15.6	460	1	US-08-142-411A-2
16	244.5	15.4	444	1	US-08-142-411A-2
17	241.5	15.2	472	1	US-08-496-631-2
18	240.5	15.2	440	1	US-08-333-358-8
19	240.5	15.2	440	1	US-08-464-694-8
20	240.5	15.2	440	1	US-08-694-591-8
21	240.5	15.2	447	1	US-08-373-955-1
22	238.5	15.0	433	2	US-08-466-120-2
23	238.5	15.0	433	5	PCT-US94-07266-2
24	234.5	14.8	451	2	US-08-372-652-2
25	234.5	14.8	451	5	PCT-US95-16311-2
26	234.5	14.8	484	2	US-08-372-652-1
27	234.5	14.8	484	5	PCT-US95-16311-1

28	231.5	14.6	469	4	US-08-472-184-2	Sequence 2, Appl 1
29	231.5	14.6	469	4	US-09-469-721-2	Sequence 2, Appl 1
30	231.5	14.6	469	4	US-09-696-443-2	Sequence 2, Appl 1
31	231.5	14.6	469	5	PCT-US95-17023-2	Sequence 2, Appl 1
32	228	14.4	461	4	US-08-764-870-4	Sequence 3, Appl 1
33	228	14.4	461	4	US-08-980-115-4	Sequence 3, Appl 1
34	219	14.8	455	6	5223606-2	Sequence 3, Appl 1
35	219	14.8	474	4	US-08-654-646A-14	Sequence 3, Appl 1
36	206.5	13.0	410	4	US-08-764-870-2	Sequence 2, Appl 1
37	206.5	13.0	410	4	US-08-980-115-2	Sequence 2, Appl 1
38	206.5	13.0	410	6	5438126-2	Sequence 2, Appl 1
39	202.5	12.8	410	4	US-08-764-870-1	Sequence 1, Appl 1
40	202.5	12.8	410	4	US-08-980-115-1	Sequence 1, Appl 1
41	201	12.7	468	6	5223606-3	Sequence 1, Appl 1
42	201	12.7	448	6	5223606-2	Sequence 1, Appl 1
43	200	12.6	462	2	US-08-592-383-2	Sequence 2, Appl 1
44	200	12.6	462	2	US-08-095-7288-4	Sequence 2, Appl 1
45	200	12.6	462	5	PCT-US92-02320A-4	Sequence 4, Appl 1

ALIGNMENTS

RESULT 1
US-08-875-082-2
Sequence 2, Application US-08875082
Patent No. 6391847
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Rumberg, Bruce
TITLE OR INVENTION: A NOVEL RXR-DEPENDENT SIGNALING PATHWAY
TITLE OR INVENTION: AND LIGANDS USEFUL THEREFOR
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gary Cary Ware & Preidomich, LLP
STREET: 4365 Executive Dr, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: USA
ZITE: 92121
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US-08/875,082
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US-08/474,445
FILING DATE: 17-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Rolter, Stephen E.
REGISTRATION NUMBER: 34,192
REFERENCE/EXCERPT NUMBER: 141 9887
TELEPHONE: 619-677-1409
TELEFAX: 619-677-1465
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 386 amino acids
TYPE: amino acid
TOPOLOGY: linear
MULTIPLE TYPE: protein
US-08-875-082-2
Query Match 37.4% Score 592: DB 4: Length 480:
Best Local Similarity 43.8% Pred. No. 2.4e+55:
Matches 127: Conservative 46: Mismatches 71: Indels 46: Gaps 6:
CY 14 LTRDQRMKRLKMAQMKRTTTPSHRNKFIKIVLSSQRLLESLGASLFAAKNSV 74

DB 181 VPSHPIEPLQSLKGAAGVCHVANTFTELQNTLQCHLRT FDCGAVGQVEPLE 240
UY 193 PMKPHYMKLQLEHFEVYVLMALSPKSPKPVLOHVPDQIQOFALIKSYEYNR 252
DB 241 LCPHFGTILKRLQLOEPFVYVLAAMALSPKSPKPVLOHVPDQIQOFALIKSYEYNR 400
UY 253 POUAHFPLKRLMAMTELKSTNAOHTOKLRIDHPRALPMQEL 299
DB 401 RPRDRHFLYAKLLGLLAFKLSINAVGVOUHQHQLHSAM MFLQEL 346
RESULT 4
US-07-843-350C-10
Sequence 10, Application US/07843350C
PATENT No. 5756448
GENERAL INFORMATION:
APPLICANT: David D. Moore et al.
TITLE OF INVENTION: CAR RECEPTORS AND RELATED
TITLE OF INVENTION: MOLECULES AND METHODS
NUMBER OF INVENTIONS: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: IBM P.C. DOS (Version 3.30)
SOFTWARE: WordPerfect (Version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/843, 350C
FILING DATE: February 26, 1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Paul F. Clark
REGISTRATION NUMBER: 40,162
REFERENCE/Docket NUMBER: 00786/126001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 346
TYPE: amino acid
STRANDEDNESS: N/A
TOPLOGY: linear
US-07-843-350C-10
Query Match 60.4%, Score 479.5, DB 1: Length 346;
Best Local Similarity 39.0%, Pred. No. 2,66-44;
Matches 112; Conservative 40; Mismatches 88; Indels 47; Gaps 4;
UY 14 LLEBQKMMLEMDAOKTFTPTFSHKRRLGVLSNCPLESTLAPSHFAAKMSQV 74
DB 106 LSKROELRLTLALTRIMGTFRFVQVRFPAHLEHHQ PEPILAP 154
UY 74 RRIASIKVSLQIKGELGAVVWVNYKPPALSGKELFIMADKSTFMKGILSPKVS 134
DB 154 -----VLPVTHADINITFWLVGVKFKTKDIP 180
UY 144 VPRPLLEPDSILKGAALFQVQRTNVFNAEPTGWTGKRLSYCLFDAG GPQALIE 192
DB 181 VPSHPIEPLQSLKGAAGVCHVANTFTELQNTLQCHLRT FDCGAVGQVEPLE 240
UY 193 PMKPHYMKLQLEHFEVYVLMALSPKSPKPVLOHVPDQIQOFALIKSYEYNR 252

DB 241 LCPHFGTILKRLQLOEPFVYVLAAMALSPKSPKPVLOHVPDQIQOFALIKSYEYNR 400
UY 253 POUAHFPLKRLMAMTELKSTNAOHTOKLRIDHPRALPMQEL 299
DB 401 RPRDRHFLYAKLLGLLAFKLSINAVGVOUHQHQLHSAM MFLQEL 346
RESULT 5
US-07-737-736B-4
Sequence 4, Application US/07737736B
PATENT No. 5260199
GENERAL INFORMATION:
APPLICANT: DeLong, Hector F.
APPLICANT: Koss, Troy K.
TITLE OF INVENTION: Method of Producing
TITLE OF INVENTION: 1,25-dihydroxyvitamin D3 Receptor Protein
NUMBER OF INVENTIONS: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carl K. Schwartz, Esq., c/o Quarles & Brady
STREET: 411 East Wisconsin Avenue
CITY: Milwaukee
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patonlin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/737, 736B
FILING DATE: 19910740
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Schwartz, Carl K.
REGISTRATION NUMBER: 29,447
REFERENCE/Docket NUMBER: 96-296 2185-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 414-277-5715
TELEFAX: 414-277-5774
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 367 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYDROPHATIC: NO
ANTI-SENSE: NO
ORGANISM: RAT
ORIGINAL SOURCE:
PUBLICATION INFORMATION:
AUTHORS: Burnstock, James K.
AUTHORS: Maida, No. 5260199yo
TITLE: Isolation and expression of rat
TITLE: 1,25-dihydroxyvitamin D3 receptor cDNA
JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
VOLUME: 85
PAGES: 1065-1069
DATE: February-1988
US-07-737-736B-4
Query Match 60.2%, Score 428, DB 1: Length 367;
Best Local Similarity 47.4%, Pred. No. 46-43;
Matches 114; Conservative 57; Mismatches 108; Indels 40; Gaps 7;
UY 14 LLEBQKMMLEMDAOKTFTPTFSHKRRLGVLSNCPLESTLAPSHFAAKMSQV 74
DB 106 LSKROELRLTLALTRIMGTFRFVQVRFPAHLEHHQ PEPILAP 154
UY 74 RRIASIKVSLQIKGELGAVVWVNYKPPALSGKELFIMADKSTFMKGILSPKVS 134
DB 154 -----VLPVTHADINITFWLVGVKFKTKDIP 180
UY 144 VPRPLLEPDSILKGAALFQVQRTNVFNAEPTGWTGKRLSYCLFDAG GPQALIE 192
DB 181 VPSHPIEPLQSLKGAAGVCHVANTFTELQNTLQCHLRT FDCGAVGQVEPLE 240
UY 193 PMKPHYMKLQLEHFEVYVLMALSPKSPKPVLOHVPDQIQOFALIKSYEYNR 252

US-08-472-652-4

Query Match 15.7% Score 249.5; DB 2; Length 446;

Best Local Similarity 25.9%; Prot. No. 20-18;

Matches 81; Conserved 56; Mismatches 105; Indels 71; Gaps 11;

UY 5 GTPGLVGVG-----LPEERGMRLRELMIAQMKPTDTESHPKRFELGVLSNGCLP 56

DB 188 GTPASSQGSDEEGLIOLIAQELMLVULVAAGVQNRKRS----- 229

UY 57 ESTLQASREPAKWSGVVKRDI/SIKVSLQIKGHEGWSWYKPPADSQKPELSLPRMAD 116

DB 230 -----DQKVTWPD-----LADP-----PSRDAKQGRFA--HFLIE 258

UY 117 MSLYMKGLIISAKVSTFPRDLPTEQSLIKGAPELVQRPNVNATGHW?--- 172

DB 259 LALLSVGLVDPAKQVPPDLOIGRPDQALIKASTTEMLQIAPRNHET--PCTLEL 415

UY 173 GRISYCLEP-TAGCPQOLLEPMKHEMKKIQHEEYVLMQALSLSPDRVWLOHR 231

DB 316 KPEVSKDIFHAGLVQVEINPTEFSKAMRRIGIDAEVALLIATINFSADRPVQVGRS 475

UY 232 VVQDQGFQFATILKSYTEGRVQVADHETELKIMAMLELRSTNAOHTDRI--LRIQDII 289

DB 376 KVEALQGVVEALSTKIKRQVQDLK--FPRMLKLVSLPILSSVSEVFAIKQD-- 431

UY 290 PRATPLMQLPGL 402

DB 432 KKLPLLESLHWV 444

RESULT B

PCT-0895-16311-4

Sequence 3, Application W7/PUS9516311

GENERAL INFORMATION:

APPLICANT: Moore, David

APPLICANT: Choi, Heung-Sik

TITLE OF INVENTION: RETINOID X RECEPTOR-INTERACTING

TITLE OF INVENTION: POLYPEPTIDES AND RELATED MOLECULES AND METHODS

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street, Suite 4100

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in force #1.0, Version #1.10

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/16311

FILING DATE:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/472,652

FILING DATE: 14-JAN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Clark, Paul T.

REGISTRATION NUMBER: 40,162

REFERENCE/DOCKET NUMBER: 00786/246001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-5070

TELEFAX: 617/542-8936

TELEX: 200154

INFORMATION FOR SEQ ID NO: 1

SEQUENCE CHARACTERISTICS:

LENGTH: 446 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: linear

MEDIUM TYPE: protein

PCT-0895-16311-4

Query Match 15.7% Score 249.5; DB 2; Length 446;

Best Local Similarity 25.9%; Prot. No. 20-18;

Matches 81; Conserved 56; Mismatches 105; Indels 71; Gaps 11;

UY 5 GTPGLVGVG-----LPEERGMRLRELMIAQMKPTDTESHPKRFELGVLSNGCLP 56

DB 188 GTPASSQGSDEEGLIOLIAQELMLVULVAAGVQNRKRS----- 229

UY 57 ESTLQASREPAKWSGVVKRDI/SIKVSLQIKGHEGWSWYKPPADSQKPELSLPRMAD 116

DB 230 -----DQKVTWPD-----LADP-----PSRDAKQGRFA--HFLIE 258

UY 117 MSLYMKGLIISAKVSTFPRDLPTEQSLIKGAPELVQRPNVNATGHW?--- 172

DB 259 LALLSVGLVDPAKQVPPDLOIGRPDQALIKASTTEMLQIAPRNHET--PCTLEL 415

UY 173 GRISYCLEP-TAGCPQOLLEPMKHEMKKIQHEEYVLMQALSLSPDRVWLOHR 231

DB 316 KPEVSKDIFHAGLVQVEINPTEFSKAMRRIGIDAEVALLIATINFSADRPVQVGRS 475

UY 232 VVQDQGFQFATILKSYTEGRVQVADHETELKIMAMLELRSTNAOHTDRI--LRIQDII 289

DB 376 KVEALQGVVEALSTKIKRQVQDLK--FPRMLKLVSLPILSSVSEVFAIKQD-- 431

UY 290 PRATPLMQLPGL 402

DB 432 KKLPLLESLHWV 444

RESULT 9

US-08-776-844-2

Sequence 2, Application US/08776844

Patent No. 6277976

GENERAL INFORMATION:

APPLICANT: ENMARK, EVA

APPLICANT: GUSTAFSSON, JAN

TITLE OF INVENTION: OR-1 ON ORPHAN RECEPTOR BINDING

TITLE OF INVENTION: TO THE NUCLEAR RECEPTOR FAMILY

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner & Witcoff

STREET: 1001 G Street, NW

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: diskette

OPERATING SYSTEM: DOS

SOFTWARE: FASTED TO Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/776,844

FILING DATE: 24 JUN-1997

CLASSIFICATION: 536

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: PCT/EP95/03247

FILING DATE: 16 AUG-1995

APPLICATION NUMBER: DK 9414536.2

FILING DATE: 16 AUG-1994

ATTORNEY/AGENT INFORMATION:

NAME: Kagan, Sarah A

REGISTRATION NUMBER: 42141

REFERENCE/DOCKET NUMBER: 00467/04029

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-508-9100

TELEFAX: 202-508-9299

TELEX:

INFORMATION FOR SEQ ID NO: 2

SEQUENCE CHARACTERISTICS:


```

Matches      6: Conserved Ivo       55: Mismatches 107: Indels    44: Gaps   11:
QY          10 QVGDTHFEORMMRELMDQMKEFDITTSHEKRNLEGVLSNGGELLESLDASREBAK 69
              11 11 11 11 11 11 11 11 11
DB          216 GVO-LTAACLTATIGUOLVAALQGNKRSES-- --DOCKRYE 250
QY           70 WSVVRKDGLSKVSLDTRGEDSVNMYKKPADSGGKEFETSLPMADMSTYMKGKLISFA 129
              11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
DB           251 WP-----LGAD-----PQRDAHQOIFA---HFTELATIIVGEIVIDA 285
QY          130 KVISFPDLPTEDJLTKCAAFELQGRFNVENAEIGTWCR---GRISYLELD-TAN 184
DB           286 KUNGFGLQGREVDMLAKASTIELMLRTARINHEH--EGTTELKDYTSKNPDHHA 442
QY          185 GFODLTLEPKMKHYMKIKLIDEEFYVMQASTSPDRPVLOHRVVLQVQAPALT 244
              11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
DB          343 GLVEEFNPDEFSRMRRLGIDDEVALLIATNFSDIRNVQDPREVATQGVVEFA 402
QY          245 KSYFENRRPAHREFLEKIMAMTFESTINAHQORT--LRIDHPEFAPIMQEPFI 502
              11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
DB          403 LSTRKRHPDQLR-FPRMILRKLVSLTLSSVSRVAFLLQD--KRLPIILSEIMOV 458

RESULT 16,
US-08-442-411A-4
Sequence 4, Application US/094442411A
Patent No. 5639616
OPENAL INFORMATION:
APPLICANT: LIKO, Shulsund
APPLIANT: SONG, Ching
TITLE OF INVENTION: QUANTUM-DOTS NOCTILEAR RECEPTOR;
TITLE OF INVENTION: COMPOSITIONS AND METHODS
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Dufree
STREET: P.O. Box 4444
CITY: Houston
STATE: TX
COUNTRY: USA
ZIP: 77210-4443
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPIER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patented Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442-411A
FILING DATE: 18-Nov-1994
CLASSIFICATION: 4.5
ATTORNEY/AGENT INFORMATION:
NAME: KITCHELL, BARBARA S.
REGISTRATION NUMBER: 44,928
REFERENCE/JACKET NUMBER: ARD154
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (714) 789-2679
FILER: 79-0924
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 443 amino acids
TYPE: amino acid topology: linear
US-08-442-411A 4
Query Match 15,48: Score 244.5; Id: 1; Length 443;
Post local similarity 25,08: Pred. No. 6,76-185;
Matches 80: Conserved Ivo 55: Mismatches 107: Indels 71: Gaps 11:
QY          5 GTFQFVVGQ-----LTFQMMRELMDQMKEFDITTSHEKRNLEGVLSNGGELLESLDAS 115
              11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11
DB          185 GTFQFVVGQSNRHHGTGIFQAQIMIGUOLVAALQGNKRSES--- --DOCKRYE 250
QY          57 ESIQASREBAKWSVVRKDI/SKAVSLDREGEDSVNMYKKPADSGGKEFETSLPMADM 115

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Db      227    -PGRKVTIMP-----LAD-----VDSIAKQQRFA---HFE     255
OY      117    MSTMKGRIISAKVISYRPLPEDQSILKGAPEQLIKNTVMNAFSTWSE---- 172
Db      256    IALTSVEIVUDEKKGVGPIGLGRRLOIALKASILEIMLEIARVNHEE--ESTFL   312
OY      173    GRLSYTDE-TAGCFOLLIEPMLEKFMELKKDIEEPNVLMALSLSPGGVYLOR     281
Db      313    KDFYSKNEDHRNGLOVERINTFFSNAMRKLLIDAEVALLATINFSAPARPNOJLS   372
OY      232    VDQIQBQAATLKSTIEENRPQPHRELPFKIMMLERSSINAUTOCH-IRLDPR     289
Db      473    REVLDDPYVAALLSTRICKPOLUR-FRMKLKVSLRTSVSHSDPAALKDQ-       428
OY      290    PFATPMGEPLGI 302
Db      429    KLPLHLSTLMQV 441

RESULT 17
US 08-496-641-2
Sequence 2, Application BS/08496641
Patent No. 5728548
GENERAL INFORMATION:
APPLICANT: Boman, Michael
TITLE OF INVENTION: SLEEP-TO BEETLEPK #61
NUMBER OF STUDENTS: 7
CORRESPONDENT ADDRESS:
ADDRESS: Gates Industrial, Inc.,
Street: 87 Cambridge Park Drive,
City: Cambridge
State: Massachusetts
Country: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPILER: IBM PC compatible
OPERATING SYSTEM: PC DOS/Ms-DOS
SOFTWARE: Pattern Recognition #1.0, Version 4.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08-496-641
FILING DATE:
CLASSIFICATION: 435
ALTERNATIVE INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 42,724
REFERENCE/DOCKET NUMBER: 615,248
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO.: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 472 amino acids
TYPE: amino acid
Topology: linear
MODIFIER TYPE: protein
US: 08-496-641-2

ENTRY MATCH          15.2%  Score 241.5; pos 1; length 472.
Host Local Similarity 41.9%; Prot. No. 1 Acc/17;
Matches 85%; Conserved 44; Missed 82; Indels 19; Gaps 72.

OY      105    KEIPSELPR--MAINSYMFKGIISFAKVISYRPLPEDQSILKGAPEQLIKNTVMN 161
Db      275    KEPSASENELITERRMHVVIVIELFKLGDTLIHHDLGLALKNSAFEMFRSA     354
OY      162    VFNFETICIMWRNLSYSTEDIANGVQILLPFMKRFMRKRKKDIREEEVLMALSTS     241
Db      445    FNNKLVSRSLSLTERKINS-GISGYCTIMSFPKSIGDKLRIDEAVLTALVTLIS     492
OY      222    PNRKSGVGRVVVQLDGPAATLIKSTIEENRPQPHRELPFKIMMLERSSINAUTOC 280
```


CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZITE: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/372,183
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Reiter, Stephen E.
 REGISTRATION NUMBER: 31,192
 REFERENCE/DOCKET NUMBER: P41 9844
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-546-4737
 TELEFAX: 619-546-9392
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 469 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-372-183-2

Query Match 14.6%; Score 231.5; DB 3; Length 469;
 Best local similarity 32.5%; Pred. No. 1,8e+16;
 Matches 67; Conservative 42; Mismatches 80; Indels 17; Gaps 9;

QY 105 KEFESLPH--MAMSTYMKGIIISAKVSYERDLPTEQISLKGAAPFLQURENF 161
 DB 272 KEFSAEENFLILEMASHVQILVEFKRDPQDTLHEDQIALTKGSNAVAMELRSAE 331
 QY 162 VFNAR--TGIMWCGLSGLDITAGCGFOULLDEMIKHYMKKLOIHEEYVLMQATSL 219
 DB 332 IIRKKLLDLOTCKKKE--ERASPMK--YITPMSTYKSVKELMTVETALLAVI 487
 QY 220 FSDRGVGLQHRVVGIOEOPATITKSYIECNKQ--PAHIFLEKIMAMTILRSINQV 278
 DB 488 ISDRQYIKDRKAVKIOEPLDVLQKICRYQENQVH--FALLIGRIETLPTNH 444
 QY 279 IORLI--RIQDHPATPMQELPGI 302
 DB 445 AEKLSMWVND-HKE-TPLCTELMV 468

RESULT 29

US-09-469-721-2
 Sequence 2: Application US/09469721
 Patent No. 6184353
 GENERAL INFORMATION:
 APPLICANT: Evans, Ronald M.
 APPLICANT: Forman, Barry M.
 APPLICANT: Weinberger, Gary A.
 TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
 NUMBER OF SEQUENCES: 7
 BY FARNSWOLD ACTIVATED RECEPTORS
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Priddy, Schroeder, Bruggemann & Clark
 STREET: 444 South Flower Street, Suite 2000
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZITE: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/469,721
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/372,183
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Reiter, Stephen E.
 REGISTRATION NUMBER: 31,192
 REFERENCE/DOCKET NUMBER: P41 9844
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-546-4737
 TELEFAX: 619-546-9392
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 469 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-469-721-2

Query Match 14.6%; Score 231.5; DB 3; Length 469;
 Best local similarity 32.5%; Pred. No. 1,8e+16;
 Matches 67; Conservative 42; Mismatches 80; Indels 17; Gaps 9;

QY 105 KEFESLPH--MAMSTYMKGIIISAKVSYERDLPTEQISLKGAAPFLQURENF 161
 DB 272 KEFSAEENFLILEMASHVQILVEFKRDPQDTLHEDQIALTKGSNAVAMELRSAE 331
 QY 162 VFNAR--TGIMWCGLSGLDITAGCGFOULLDEMIKHYMKKLOIHEEYVLMQATSL 219
 DB 332 IIRKKLLDLOTCKKKE--ERASPMK--YITPMSTYKSVKELMTVETALLAVI 487
 QY 220 FSDRGVGLQHRVVGIOEOPATITKSYIECNKQ--PAHIFLEKIMAMTILRSINQV 278
 DB 388 ISDRQYIKDRKAVKIOEPLDVLQKICRYQENQVH--FALLIGRIETLPTNH 444
 QY 279 IORLI--RIQDHPATPMQELPGI 302
 DB 445 AEKLSMWVND-HKE-TPLCTELMV 468

RESULT 40

US-09-696-443 2
 Sequence 2: Application US/09696443
 Patent No. 6416957
 GENERAL INFORMATION:
 APPLICANT: Evans, Ronald M.
 APPLICANT: Forman, Barry M.
 APPLICANT: Weinberger, Gary A.
 TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
 NUMBER OF SEQUENCES: 7
 BY FARNSWOLD ACTIVATED RECEPTORS
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Priddy, Schroeder, Bruggemann & Clark
 STREET: 444 South Flower Street, Suite 2000
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZITE: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/696,443
 FILING DATE: 24-Oct-2000
 CLASSIFICATION: unknown
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/372,183
 FILING DATE: unknown
 ATTORNEY/AGENT INFORMATION:

[illegible][illegible]

[illegible]

```

1 EARLIER FILING DATE: 1995-12-14
2 NUMBER OF SEQ ID NOS: 17
3 SOFTWARE: Patent Vot. 2.0
4 SEQ ID NO: 2
5 LENGTH: 410
6 TYPE: PRT
7 ORGANISM: Homo sapiens
8 FEATURE:
9 NAME/KEY: P-MAIN
10 LOCATION: (157)-(410)
11 OTHER INFORMATION: minimal 1 band binding domain
12 US-08-980-115-2

Query Match          14.0% Score 206.5; DB 4; Length 410;
Best Local Similarity 25.2%; Pred. No. 7.3e-14;
Matches 70; Conservative 42; Mismatches 11; Indels 5; Gaps 0;

UY 63 SREAAKWSQVKRLDLSKVSLLGRF-----FDSVWNRK- 98
DB 141 NRRRRKREEMIR-----SLOGRPEPTPEEMDLIHATPAHRSINAGSSHKRKRKRL 192
UY 99 PAISGCKEITEST-----LPMADMSIYMEKGLISFAKVISYFPRDPIHDSILK 148
DB 193 FDILOGSPISVSDIDKVLDAFSEFKITTPATIRVVDKAKLPKPSSELPETDGLILK 252
UY 149 GAAPFLCQKRETVENAEIQTWE-CGLSYCLEDIAGCFQDILLPMKPHYMKKIVLI 207
DB 253 GYCMETMSIKAAVRYDPSDILLISGEMAVKRFQKNGGVSDAIFEGKSSAFNII 412
UY 208 EEEYVIMQALISFPRPVLOHRYVVDLQGFALITLKSYLEFNRQDPARELFILKIMM 267
DB 313 ETEVALLOVALMSTIRSDLVQKLEKSQAYLLAFPHYVNHKRNITR--FWRLILMK 370
UY 268 LTELKSIINQHTORLRIQ-----DIIHFATPLMOELE 300
DB 371 VILRMIGASHKSRFLMKVVPTELEF--PLEVEF 405

RESULT 48
548126-2
1 Patent No. 548126
2 APPLICANT: DECKROD, TESTE J.; NAKAI, AKIRA
3 TITLE OF INVENTION: HUMAN THYROID HORMONE RECEPTOR DNA
4 NUMBER OF SEQUENCES: 2
5 CURRENT APPLICATION DATA:
6 APPLICATION NUMBER: US/07/830,766
7 FILING DATE: 03-FEB-1992
8 PRIOR APPLICATION DATA:
9 APPLICATION NUMBER: 405,442
10 FILING DATE: 11-SEP-1989
11 SEQ ID NO: 2
12 LENGTH: 410

Query Match          13.0% Score 206.5; DB 6; Length 410;
Best Local Similarity 25.2%; Pred. No. 7.3e-14;
Matches 70; Conservative 42; Mismatches 11; Indels 5; Gaps 0;

UY 63 SREAAKWSQVKRLDLSKVSLLGRF-----FDSVWNRK- 98
DB 141 NRRRRKREEMIR-----SLOGRPEPTPEEMDLIHATPAHRSINAGSSHKRKRKRL 192
UY 99 PAISGCKEITEST-----LPMADMSIYMEKGLISFAKVISYFPRDPIHDSILK 148
DB 193 FDILOGSPISVSDIDKVLDAFSEFKITTPATIRVVDKAKLPKPSSELPETDGLILK 252
UY 149 GAAPFLCQKRETVENAEIQTWE-CGLSYCLEDIAGCFQDILLPMKPHYMKKIVLI 207
DB 253 GYCMETMSIKAAVRYDPSDILLISGEMAVKRFQKNGGVSDAIFEGKSSAFNII 412
UY 208 EEEYVIMQALISFPRPVLOHRYVVDLQGFALITLKSYLEFNRQDPARELFILKIMM 267
DB 313 ETEVALLOVALMSTIRSDLVQKLEKSQAYLLAFPHYVNHKRNITR--FWRLILMK 370

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UY 268 LTELKSIINQHTORLRIQ-----DIIHFATPLMOELE 300
DB 371 VILRMIGASHKSRFLMKVVPTELEF--PLEVEF 405

RESULT 49
US-08-764-870-1
1 Sequence 1; Application US/08764870
2 Patent No. 6230946
3 GENERAL INFORMATION:
4 APPLICANT: Sociolan, Thomas S
5 APPLICANT: Baxter, John D
6 APPLICANT: Elielrick, Robert J
7 APPLICANT: Manger, Richard L
8 APPLICANT: Koshner, Peter L
9 APPLICANT: Appletti, James W
10 APPLICANT: West, Brian
11 TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
12 NUMBER OF SEQUENCES: 16
13 ADDRESS/REFERENCE ADDRESS:
14 STREET: Five Palo Alto Square, 6000 El Camino Real
15 CITY: Palo Alto
16 STATE: CA
17 COUNTRY: USA
18 ZIP: 94306
19 COMPUTER REAMABLE FORM:
20 MEDIUM TYPE: Floppy disk
21 COMPUTER: IBM pc compatible
22 OPERATING SYSTEM: MS-DOS/MS-DOS
23 SOFTWARE: Patcullu Release #1.0, Version #1.40
24 CURRENT APPLICATION DATA:
25 APPLICATION NUMBER: US/08/764,870
26 FILING DATE: 13-DEC-1996
27 CLASSIFICATION: 540
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER: US 60/008,540
30 FILING DATE: 13-DEC-1995
31 PRIOR APPLICATION DATA:
32 APPLICATION NUMBER: US 60/008,544
33 FILING DATE: 13-DEC-1995
34 PRIOR APPLICATION DATA:
35 APPLICATION NUMBER: US 60/008,606
36 FILING DATE: 14-DEC-1995
37 ATTORNEY/AGENT INFORMATION:
38 NAME: NAKAMURA, JACKIE N
39 REGISTRATION NUMBER: 35,966
40 REFERENCE/ID#/KEY NUMBER: 00AL 246/0105
41 TELECOMMUNICATION INFORMATION:
42 TELEPHONE: (650)843-5800
43 INFORMATION FOR SEQ ID NO: 1:
44 SEQUENCE CHARACTERISTICS:
45 LENGTH: 410 amino acids
46 TYPE: amino acid
47 STRANDEDNESS:
48 TOPOLOGY: linear
49 MOLECULE TYPE: protein
50 US-08-764-870-1

Query Match          12.8% Score 202.5; DB 4; Length 410;
Best Local Similarity 24.8%; Pred. No. 2e-13;
Matches 69; Conservative 45; Mismatches 11; Indels 5; Gaps 0;

UY 63 SREAAKWSQVKRLDLSKVSLLGRF-----FDSVWNRK- 98
DB 141 NRRRRKREEMIR-----SLOGRPEPTPEEMDLIHATPAHRSINAGSSHKRKRKRL 192
UY 99 PAISGCKEITEST-----LPMADMSIYMEKGLISFAKVISYFPRDPIHDSILK 148
DB 193 FDILOGSPISVSDIDKVLDAFSEFKITTPATIRVVDKAKLPKPSSELPETDGLILK 252

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Microsoft version 5.1.4.0 p5.4578
(c) 1994 - 2004 CompuGen Ltd.

protein search, using SW model

April 15, 2003, 11:21:47 ; Search time: 24.3679 seconds

(with about 1088.854 Million cell updates/sec)

Title: IS-09-276-9487-14

Sequence: 1 L E V R P K : S W N H A D F V H Q E D T Q D I I P F A T P L M Q E L F G I T G S 434

Scoring table: `FLCSUM62`

Capor 10.0 , Capext 0.5

Searched: 248812 seqs, 61136040 residues

Total number of hits satisfying chosen parameters: 248812

Maximum PB seq length: 200000000000

Post processing: Minimum Match 0%

Listing 45 summaries

Database : Published_Applications_AA:*

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3: /csm2_6/pt/odata/2/ptubpaas/os506_NEW_PUB_pcp.*
4: /csm2_6/pt/odata/2/ptubpaas/os506_NEW_PUB_pcp.*
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13: /csm2_6/pt/odata/2/ptubpaas/os560_NEW_PUB_pcp.*
14: /csm2_6/pt/odata/2/ptubpaas/os560_NEW_PUB_pcp.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SIMMAK I F S

Result No.	Score	Quality	Length (B)	ID	Description
1	2289	100.0	473	US-09-14-028-4	Sequence 4, Appl 1
2	2287	99.9	444	US-05-14-028-2	Sequence 2, Appl 1
3	2171	91.8	434	US-09-22-7-818-2	Sequence 2, Appl 1
4	979.5	42.8	386	US-10-15-027-2	Sequence 2, Appl 1
5	768	34.6	348	US-09-760-364-1	Sequence 1, Appl 1
6	762.3	33.3	359	US-09-760-364-9	Sequence 9, Appl 1
7	725	31.7	358	US-09-760-364-2	Sequence 2, Appl 1
8	574.5	25.1	285	US-09-088-3-094-2	Sequence 2, Appl 1
9	574.5	25.1	285	US-09-760-364-3	Sequence 3, Appl 1
10	498	21.8	461	US-10-014-824-3	Sequence 3, Appl 1
11	489	21.4	446	US-10-014-824-2	Sequence 2, Appl 1
12	487	21.3	445	US-09-020-944-2	Sequence 2, Appl 1
13	487	21.3	446	US-09-020-944-2	Sequence 2, Appl 1
14	487	21.3	446	US-09-020-944-2	Sequence 2, Appl 1
15	479.5	20.9	257	US-09-014-569-1	Sequence 1, Appl 1
16	463.5	20.2	476	US-10-158-721-1	Sequence 1, Appl 1
17	458	19.8	469	US-10-158-721-2	Sequence 2, Appl 1
18	432	18.9	746	US-09-042-4888-7	Sequence 7, Appl 1
19	429	18.7	448	US-09-014-604-2	Sequence 2, Appl 1

20	42.9	18.7	6.48	10	05-09-997	7.27	4	Sequence 4, Appl 1
21	42.6	18.6	6.45	10	05-09-965-703	7.03	16	Sequence 10, Appl 1
22	41.4	18.0	4.62	9	05-09-814	6.04	1	Sequence 1, Appl 1
23	41.4	18.3	4.62	10	05-09-797	7.27	4	Sequence 4, Appl 1
24	41.2	18.0	6.06	10	05-09-952	5.59	4	Sequence 4, Appl 1
25	41.2	17.9	1.44	9	05-09-042	4.88	9	Sequence 9, Appl 1
26	41.0	17.4	7.46	9	05-09-042	4.88	9	Sequence 9, Appl 1
27	40.6	17.8	4.12	10	05-09-965	7.03	11	Sequence 11, Appl 1
28	40.6	17.8	4.12	10	05-09-965-703	7.03	12	Sequence 12, Appl 1
29	40.6	17.8	4.40	10	05-09-965-703	7.03	71	Sequence 71, Appl 1
30	40.6	17.8	5.13	10	05-09-965-703	7.03	59	Sequence 59, Appl 1
31	39.2	17.1	4.54	9	05-09-814	6.04	4	Sequence 4, Appl 1
32	39.2	17.1	4.54	10	05-09-797	7.27	2	Sequence 2, Appl 1
33	39.1	17.1	12.37	9	05-10-108	6.05	21	Sequence 21, Appl 1
34	37.2	16.3	7.50	9	05-10-065	13.74	3	Sequence 3, Appl 1
35	37.2	16.3	5.05	10	05-09-765	11.1A-15	16	Sequence 16, Appl 1
36	37.2	16.3	7.77	10	05-09-765	11.1A-2	4	Sequence 2, Appl 1
37	37.2	16.3	8.11	10	05-09-765	11.1A-4	4	Sequence 4, Appl 1
38	37.2	16.3	8.40	10	05-09-765	11.1A-4	4	Sequence 4, Appl 1
39	37.2	16.3	8.74	10	05-09-765	11.1A-6	6	Sequence 6, Appl 1
40	37.1	16.2	4.75	12	05-10-142	4.73	2	Sequence 2, Appl 1
41	37.0	16.2	4.78	10	05-09-765	11.1A-27	27	Sequence 27, Appl 1
42	37.0	16.2	5.06	12	05-10-109	8.6	6	Sequence 6, Appl 1
43	37.0	16.2	5.16	10	05-09-895	8.40	2	Sequence 2, Appl 1
44	36.2	15.8	4.40	9	05-10-179	4.45	1	Sequence 1, Appl 1
45	36.2	15.8	4.40	12	05-10-179	4.45	7	Sequence 7, Appl 1

AL-163NMH-N-5

RESULTS
US-09-143-828-4
Sequence 4, Application US/09143828

Publication No. US20030032790A1

APPLICANT: Pharmacia & Upjohn

1. TITLE OF INVENTION: Acid Sequence

CURRENT APPLICATION NUMBER: IT5/09/143, 828

NUMBER OF SHD ID NOS: 4

SFQ ID NO 4

TYPE: PRT

FEATUKE:

HIGH INFORMATION: acid sequence of vitamin D receptor related

US-09-143-828-4

Query Match	Score	IP %	Length
100.0%	2289	7	474
100.0%	7	7	11

Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0.

1 I E V R P K S W N I A D V H I Q I P O T E S V I O K P S V N A H H E V G O H U I Q R V Q D K K A T Y H H N V M T C H 60

40 LEVKPKE\$WNIADFHICBDESYKPKPSVNAIIEVGGIPJIKRVQIIOKAIQYHHNVMT³MS

(1) КИПЕРАНКАНАН.Р. ПЕРКА: АНТИКРИЗИС. ЧАКРИ. К. 1. ЕСТЬ МНОГО ИЛИ РАВНО? 12

100 C K G P H R A M K N A H I , K C I P K G A C I T H K I H O C C A C I K I R K C I E S C M K K E M I M S I , P A V H E 1 *

121 KRALIKKSKERTÖPIAVÖGI.TEFÖRMIRKIMDAÖMKIPOT.FSHEKNPHI KIVULSS. 10

100 KRALIKKSERTGIÖPLÖVÖLTJEFÜKMMIRELMDAÖMKTPIPTFSEHKNFRIÖVILSS 21

181 GCFI.PESTIQAIPSRHHAAKWSQVKKDLCSTIKVSIQIRGFIHGSVWNYKIPALNSGKKFI.FS.L. 24

220 30.FE.LPE.SI.ŒA.SK.H.A.K.W.S.Œ.V.K.R.I.D.I.C.SI.K.V.SI.Œ.I.R.H.I.A.S.V.W.N.Y.K.I.P.A.I.S.Œ.O.K.H.I.P.S.I 27

1 PRIOR APPLICATION NUMBER: US 60/2176,664
 2 PRIOR FILING DATE: 2000-01-14
 3 NUMBER OF SEQ. ID NOS: 14
 4 SEQUENCE: FASTA IN VET. 2.1
 5 SEQ. ID NO. 9
 6 LENGTH: 699
 7 TYPE: PRT
 8 ORGANISM: Mus musculus
 9 FLATNESS:
 10 OTHER INFORMATION: predicted amino acid sequence of hamster
 11 OTHER INFORMATION: conserved tryptophan and proline (276)
 12 US 09 276 935 2

Query Match 49.94 Score 762.57 DB 107 Length 699

1 Best Local Similarity 49.94; Prod. No. 7.26 4/3
 2 Matches 126; Conserved 64; Mismatches 119; Indels 54; Gaps 7

01 AAEVWVTHVWVAKATVYHNMPTTEKPEPKAKMKKALRCPKPAATLTKT 90
 11
 02 11 ASPEEYGRNVVGRKATVYHNTPEKPEPKAKMKKALRCPKPAATLTKT 69
 11
 03 91 PPGVAVTGRKTESKKEKIMSDAVERRALTKKSKSEGTGPAVGLTRKPM 159
 11
 04 70 PPGVAVTGRKTESKKEKIMSDAVERRALTKKSKSEGTGPAVGLTRKPM 124
 11
 05 151 PPEIMDAOKRTTETTESKRNRIPLVYSSGTEPESLGPASPEFAAKSVGRKQSLK 210
 11
 06 124 VGLTGAHTRVGLTPVGVKIPVAVT 169
 11
 07 211 VSLGLRQNGSWNKRPGVDSKKEPESLTPHMAKSVYERKTLSPKAVSYERLPLE 270
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 08 161 111
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 09 271 PGLSLKAAPELVGRKTVNATCTWPGKISVLTGPA GAGVGLTRKPM 429
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 10 200 PGLSLKAAPELVGRKTVNATCTWPGKISVLTGPA GAGVGLTRKPM 259
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 01 400 LKKGLSHEEYVLMGALSLSDPGVYVGRVYVGLGPAVGLTRKPM 489
 11
 02 200 LKKGLSHEEYVLMGALSLSDPGVYVGRVYVGLGPAVGLTRKPM 419
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 03 490 PPKIMAMTLKSNAGTQGLKGLDHPATPMQL 428
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 04 420 YAKMLGLALRSTNNVSYELQGLLSAM MLDEL 457

RESULT 7

01 US 09 276 935 2
 2 Sequence 2: Appl. Serial No. US/09/276,664
 3 Patent No. US/2001/024/461
 4 GENERAL INFORMATION:
 5 APPLICANT: Genomix, Inc.
 6 APPLICANT: Shigen, Andrew Koji Nao
 7 APPLICANT: Polaris Inc.
 8 TITLE OF INVENTION: ZAP Modulators: Screening and Treatment of
 9 TITLE OF INVENTION: ZAP Modulators: Screening and Treatment of
 10 CURRENT APPLICATION NUMBER: US/09/276,664
 11 PRIOR FILING DATE: 2001-01-14
 12 PRIOR APPLICATION NUMBER: US 60/2176,664
 13 NUMBER OF SEQ. ID NOS: 14
 14 SEQUENCE: FASTA IN VET. 2.1
 15 SEQ. ID NO. 2
 16 LENGTH: 699
 17 TYPE: PRT
 18 ORGANISM: Mus musculus
 19 FLATNESS:
 20 OTHER INFORMATION: mouse constitutive androstane receptor (ZAR) from
 21 OTHER INFORMATION: (see Abstract, at Ab1)
 22 US 09 276 935 2

Query Match 41.74; Score 1272; DB 107; Length 699

1 Best Local Similarity 49.94; Prod. No. 7.26 4/3
 2 Matches 126; Conserved 64; Mismatches 124; Indels 54; Gaps 7

01 AAEVWVTHVWVAKATVYHNMPTTEKPEPKAKMKKALRCPKPAATLTKT 90
 11
 02 11 ASPEEYGRNVVGRKATVYHNTPEKPEPKAKMKKALRCPKPAATLTKT 69
 11
 03 91 PPGVAVTGRKTESKKEKIMSDAVERRALTKKSKSEGTGPAVGLTRKPM 159
 11
 04 70 PPGVAVTGRKTESKKEKIMSDAVERRALTKKSKSEGTGPAVGLTRKPM 124
 11
 05 151 PPEIMDAOKRTTETTESKRNRIPLVYSSGTEPESLGPASPEFAAKSVGRKQSLK 210
 11
 06 124 VGLTGAHTRVGLTPVGVKIPVAVT 169
 11
 07 211 VSLGLRQNGSWNKRPGVDSKKEPESLTPHMAKSVYERKTLSPKAVSYERLPLE 270
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 08 161 111
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 09 271 PGLSLKAAPELVGRKTVNATCTWPGKISVLTGPA GAGVGLTRKPM 429
 11
 10 200 PGLSLKAAPELVGRKTVNATCTWPGKISVLTGPA GAGVGLTRKPM 259
 11
 01 400 LKKGLSHEEYVLMGALSLSDPGVYVGRVYVGLGPAVGLTRKPM 489
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 02 200 LKKGLSHEEYVLMGALSLSDPGVYVGRVYVGLGPAVGLTRKPM 419
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 03 490 PPKIMAMTLKSNAGTQGLKGLDHPATPMQL 428
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 04 420 YAKMLGLALRSTNNVSYELQGLLSAM MLDEL 456

RESULT 8

01 US 09 276 935 2
 2 Sequence 2: Appl. Serial No. US/09/276,664
 3 Patent No. US/2001/024/461
 4 GENERAL INFORMATION:
 5 APPLICANT: Genomix, Inc.
 6 APPLICANT: Shigen, Andrew Koji Nao
 7 APPLICANT: Polaris Inc.
 8 TITLE OF INVENTION: ZAP Modulators: Screening and Treatment of
 9 TITLE OF INVENTION: ZAP Modulators: Screening and Treatment of
 10 CURRENT APPLICATION NUMBER: US/09/276,664
 11 PRIOR FILING DATE: 2001-01-14
 12 PRIOR APPLICATION NUMBER: US 60/2176,664
 13 NUMBER OF SEQ. ID NOS: 14
 14 SEQUENCE: FASTA IN VET. 2.1
 15 SEQ. ID NO. 2
 16 LENGTH: 699
 17 TYPE: PRT
 18 ORGANISM: Mus musculus
 19 FLATNESS:
 20 OTHER INFORMATION: mouse constitutive androstane receptor (ZAR) from
 21 OTHER INFORMATION: (see Abstract, at Ab1)
 22 US 09 276 935 2

01 AAEVWVTHVWVAKATVYHNMPTTEKPEPKAKMKKALRCPKPAATLTKT 90
 11
 02 11 ASPEEYGRNVVGRKATVYHNTPEKPEPKAKMKKALRCPKPAATLTKT 69
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 03 91 PPGVAVTGRKTESKKEKIMSDAVERRALTKKSKSEGTGPAVGLTRKPM 159
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 04 70 PPGVAVTGRKTESKKEKIMSDAVERRALTKKSKSEGTGPAVGLTRKPM 124
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 06 124 VGLTGAHTRVGLTPVGVKIPVAVT 169

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01 211 US01060850SWANK;KIPALIS;KEELES;LILIHMAI;MSIYMFGJLSFKAIVSYEDD;PTE 279
02 152 ----- EMMKPDP;PGC - PVLP;LLH;PAULIN;PRWQO;IIKFKG;LPLRST;TME 198
03 271 DOI;SLK;AAPE;VOLI;RENTVENAET;IMB;ON;LSY;LDPA - OEPD;OT - EM;MK;HYM 429
04 DOI;SLK;AAVE;LIH;SINT;ECGT;EMF;CGH;CYK;MDVA;NAG;OV;EF;LS;TB;HK;N 259
05 440 LKKU;AHFEYVI;MA;LS;FSF 451
06 259 LKH;LQH;PEVY;MA;IA;FSP 280
07
08 RES:01 9
09 US-09-760-464-3
10 Sequence 4, Application US/09760364
11 Patent No. US20020152479A1
12 GENERAL INFORMATION:
13 APPLICANT: Lehmann, Joerg von Michael
14 APPLICANT: Shiao, Andrew Kwan Nam
15 APPLICANT: Tularik Inc.
16 TITLE OF INVENTION: CAR Modulators: Screening and Treatment of
17 TITLE OF INVENTION: Hypercholesterolemia
18 FILE REFERENCE: 019761-00411005
19 CURRENT APPLICATION NUMBER: US/097760,364
20 PRIOR FILING DATE: 2001-01-12
21 PRIOR FILING DATE: 2000-01-13
22 NUMBER OF SEQ ID NOS: 14
23 SOFTWARE: ParentIn Ver. 2.1
24 SEQ ID NO 4
25 LENGTH: 266
26 TYPE: PRT
27 ORGANISM: Mus musculus
28 FEATURE:
29 OTHER INFORMATION: mouse constitutive androstane receptor (CAR) beta 2
30 OTHER INFORMATION: (mAbDoz2, mCAR2)
31 US-09-760-364-3

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[illegible]

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GENERAL INFORMATION:
APPLICANT: Genentech, Cat bi-line
APPLICANT: Phillips, Russell
APPLICANT: Allen, Keith D.
APPLICANT: Zhang, Qih
APPLICANT: Bartholot, Helene
TITLE OF INVENTION: TRANSGENIC MICE CONTAINING PEPINO V.
TITLE OF INVENTION: METHOD FOR INTERACTING PROTEIN GENE EXPRESSION
FILE REFERENCE: 6-684
CURRENT APPLICATION NUMBER: US/10/014,924
CURRENT FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: US 60/254,801
PRIOR FILING DATE: 2000-12-11
PRIOR APPLICATION NUMBER: US 60/409,404
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 3
LENGTH: 461
TYPE: PRT
ORGANISM: Homo sapiens
US-10-014-824-3

```

[illegible]

OPERATING SYSTEM: DOS
SOFTWARE: FAST-SEC for Windows Version 2.0

INVENTION FOR THE NUCLEAR REACTOR

× FAMIL.Y

TITLE OF INVENTION: METHOD FOR MODULATING PROTEIN EXPRESSION
BY PARENTERAL ACTIVATED RECEPTORS

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: PRETTY, SCHROEDER, BRUGGEMANN & CLARK

STREET: 444 South Flower Street, Suite 2000

CITY: Los Angeles

STATE: CA

COUNTRY: USA

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/10/155,379

APPLICATION DATE: 24-May-2002

CLASSIFICATION: Unknown

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/372,183

FILING DATE: Unknown

AUTHOR/AGENT INFORMATION:

NAME: Pretty, Stephen E.

REGISTRATION NUMBER: 61,192

REFERENCE/DOCKET NUMBER: 941,9844

TELEPHONE: 619-546-4747

TELEFAX: 619-546-9392

INFORMATION FOR SEQ ID NO: 2

SEQUENCE CHARACTERISTICS:

LENGTH: 469 amino acids

TYPE: amino acid

TOPOLGY: 1000

SEQUENCE DESCRIPTION: SEQ ID NO: 2

US-10-155-379-2

Query Match 19.8% Score 454; DB 9; Length 469;

Best Local Similarity 28.9%; Pctd No. 3; 66-35;

Matches 132; Conservative 79; Mismatches 141; Indels 194; Gaps 18;

5 PKRSWNADEVEREDIE---SVQKPSVNADE---EVGGPQTRVCGGKATGPHNVTG 58

88 PIES-----VQGLTEVSHMPTKKPKMASSASGRIKQDELGVCGIPASSGYNALIV 141

59 EKGGEFRRAKRNARIKOPPRKAGETRTKROGCGRIKRLTESGKKEMISLEAV 118

142 ECKGGEFRRAKRNARIKOPPRKAGETRTKROGCGRIKRLTESGKKEMISLEAV 260

119 FERRALIRKRSKERTGLOPLVOC-----LTFGRPMIRLMAQK 160

201 KSKR-LRKNKQALQIVNDSKGRDLQVSTIKLQREKDELLVDOCTIIVYIDVSK 259

161 TETDTSHFNKPLGVLSSTPFLTESIGASREFAAKWSVGRKIDVSLKVSQIRK 220

260 Q-----KMPDEIT-----NKLKE----- 273

221 SWMYKIPADSGKELEFSLIPKAMSTYMKGLISAKVSYERDLPTEQDLSLKGA 280

274 -----RESAEPENITL-----FMAISVQILVEFLKRLGQDLDHEIQLALKGA 321

281 FFLQGLKRNIVFNAE---TGIMQGRISTGTLTARGQGLILTEIMKFMKQIAR 338

422 VRAFLKRSALFKKRLIPLQIFWKKEP---FRAASPKR---YITTPSPYKSVGSLAK 377

439 EYVLMQALISLSPRNVVQIHRVAVQIQPQFATLKSYLERNRQVFAHRTPLKIMAM 377

478 EYVLMQALISLSPRNVVQIHRVAVQIQPQFATLKSYLERNRQVFAHRTPLKIMAM 434

498 TELRSTNAQHTQRLK RQDHPKATPMQELTGL 431

415 TELRSTNAQHTQRLK RQDHPKATPMQELTGL 468

RESULT 18

US-09-042-4888-7

Sequence 7: Application US/09/0424888

Patent No. US20020177564A1

GENERAL INFORMATION:

APPLICANT: EVANS, RONALD M.

APPLICANT: NO, DAVID

APPLICANT: SAEZ, ENRIQUE

TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF EXOGENOUS GENES IN

FILE REFERENCE: SAKI520-2

CURRENT APPLICATION NUMBER: US/09/042,488B

CURRENT FILING DATE: 1998-04-16

PRIOR APPLICATION NUMBER: 08/974,530

PRIOR FILING DATE: 1997-11-19

PRIOR APPLICATION NUMBER: 08/628,830

NUMBER OF SEQ ID NOS: 18

SOFTWARE: Patent in Ver. 2.1

SEQ ID NO: 7

LENGTH: 746

TYPE: PRT

ORGANISM: Artificial Sequence

OTHER INFORMATION: Description of Artificial Sequence: Recombinant

US-09-042-4888-7

Query Match 18.9% Score 452; DB 9; Length 746;

Best Local Similarity 27.5%; Pctd No. 8; 96-33;

Matches 131; Conservative 89; Mismatches 171; Indels 86; Gaps 18;

2 EVKPKSWN-HALFVHTEDESVKPSVNADEEVQDQIQVAVQKATGPHNVTG 60

98 ELSSTSNKVSANESDARKSKRG PAPRQVE-----DPAVQKASVYENALIV 151

61 GRPFRRAKRNARIKOPPRKAGETRTKROGCGRIKRLTESGKKEMISLEAV 119

152 CKPFRKSVKSVGCTKGR ACQMDMYMKKQULCKRLTAVGKHTVVTENQAM 210

120 ERRLIRKRSKERTGLOPLVOC-----GMMIRLMAQKRLTITSHKRN 173

211 KRERKAKQEKQKMTSPSSQHGKSLASGQDIFVKRTIDM----- 256

174 LPAVSSRTPLSPQASREFAAKWSVGRKIDVSLKVSQIRKSWM---NYKIPAD 230

257 -----CEPQVHATFLPEELAKQVAKNLESTTN QVAVTKRLITVQKSTQSH 307

231 SSKKELFS-----LTPMDMSLYMKGLISPAVSYERDLPTEQDLSLKGA 279

808 EDLRIMSDPENSQIOWSPHRIETETIVQILVEFAKQVAFKIPQHTQ 307

280 ATELQDLR-----NTVTNAGTGMGRALVGLERLARGQGLILTEIMKFMK 331

468 SAEVLMQALISLSPRNVVQIHRVAVQIQPQFATLKSYLERNRQVFAHRTPLK 420

832 KIDHEEVLMQALISLSPRNVVQIHRVAVQIQPQFATLKSYLERNRQVFAHRTPLK 489

421 SAEVLMQALISLSPRNVVQIHRVAVQIQPQFATLKSYLERNRQVFAHRTPLK 478

390 EYVLMQALISLSPRNVVQIHRVAVQIQPQFATLKSYLERNRQVFAHRTPLK 432

479 YAVLSTLIRKIQVQKQANMPSIKLRKRLKRTLEIHWQIAL PPSVQSHLIT 534

RESULT 19

US-09-042-4888-7

Sequence 2: Application US/09/0424888

Publication No. US2002004617A1

GENERAL INFORMATION:

APPLICANT: KIRBY, ELLIOTT S.

[illegible]

255 ISFAKVIYSPRQPLEDOJSLIKAAPELQJAF-----NIVFAETGWECHLSY 406
 638 VEFKAKHAFKIKPEJQJLILKKA-SSEVMMLKMARBYDSSSTFEANKKST--RQSY 695
 407 GLEEDVAGQOULLLEMLKPHYMLKRIQJHEEYVLMQALSLSPHPCVQJHRYVQJ 466
 696 KKAAMADN-----LEILLHFKQMSKRVQNVETALLATIVIS--DRPILKQJVEALQ 749
 467 EGFALIKSVYHFN--DUPAHRELKIKAMTELMSINAOHQR----- 410
 750 SYVIDILKLYI-LNKHQMSMAYEAKLSTELTELQNOAEMCFSLKRNKRIKPF 808
 411 LKRIQJHEEYVLMQALSLSPHPCVQJHRYVQJ 442
 809 LEELIMVHAI-PPSVQSHQJLT 829
 RESULT 26
 US-09-042-488B-5
 Sequence 5, Application US/09042488B
 Patent No. US2002017756A1
 GENERAL INFORMATION:
 APPLICANT: EVANS, RONALD M.
 APPLICANT: NO. DAVID
 APPLICANT: SAEZ, ENRIQUE
 TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF EXISTING GENES IN
 FILE REFERENCE: MAMMALIAN SYSTEMS, AND PRODUCTS REALIZED THEREIN
 CURRENT APPLICATION NUMBER: US/09/042-488B
 PRIOR FILING DATE: 1998-03-16
 PRIOR APPLICATION NUMBER: 08/974,530
 PRIOR FILING DATE: 1997-11-19
 PRIOR APPLICATION NUMBER: 06/628,840
 PRIOR FILING DATE: 1996-04-05
 NUMBER OF SEQ ID NOS: 18
 SOFTWARE: Patent In Ver. 2.1
 SEQ ID NO 5
 LENGTH: 746
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Recombinant
 OTHER INFORMATION: Vector
 US-09-042-488B-5
 Query Match 17.9%; Score 410; DB 9; Length 746;
 Best Local Similarity 26.8%; Pred. No. 1,1e-30;
 Matches 128; Conservative 8%; Mismatches 174; Indels 86; Gaps 18;

442 KJQJHEEYVLMQALSLSPHPCVQJHRYVQJLQJAFALIKSVYHFN--PQJAHET 406
 421 SKRVQNVETALLATIVIS--DRPILKQJVEALQSYHILKRYI LNKHQMSMAYE 478
 490 EIKIKAMTELMSINAOHQR-----LEILLHFKQMSKRVQNVETALLATIVIS 749
 479 YAKLSTELTELQNOAEMCFSLKRNKRIKPFLEIMVHAI-TTSVQSHQJLT 544
 RESULT 27
 US-09-965-703-11
 Sequence 11, Application US/09965703
 Patent No. US2002019521A1
 GENERAL INFORMATION:
 APPLICANT: Rohm and Haas Company
 APPLICANT: Patti, Subba Reddy
 APPLICANT: Kapitskaya, Marianna Zinov'yevna
 TITLE OF INVENTION: NO. US2002019521A1el Reddyone Receptor Based Inducible Gene E
 CURRENT APPLICATION NUMBER: US/09/965,703
 PRIOR FILING DATE: 2001-09-26
 PRIOR APPLICATION NUMBER: 60/191,855
 PRIOR FILING DATE: 2000-08-22
 PRIOR APPLICATION NUMBER: 60/269,799
 PRIOR FILING DATE: 2001-02-20
 PRIOR APPLICATION NUMBER: P01/US01/09050
 PRIOR FILING DATE: 2001-03-21
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: Patent In version 4.1
 SEQ ID NO 11
 LENGTH: 412
 TYPE: PRT
 ORGANISM: Choriostemonra timotianda
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: No. US2002019521A1el Sequence
 US-09-965-703-11
 Query Match 17.8%; Score 406.5; DB 10; Length 412;
 Best Local Similarity 26.7%; Pred. No. 1,1e-30;
 Matches 118; Conservative 87; Mismatches 150; Indels 87; Gaps 15;

1b 507 MAILING 512

RESULT 35

US-09-765-111A-16
Sequence 16, Application US/09765111A

Patent No. US20020106796A1

GENERAL INFORMATION:

APPLICANT: Fletcher, Jonathan A.

APPLICANT: Kroll, Todd G.

TITLE OF INVENTION: PAX6-PARAMMA NOCILEIC ACID MOLECULES

TITLE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF

FILE REFERENCE: H0801/7196/ERP/MAT

CURRENT APPLICATION NUMBER: US/09/765,111A

CURRENT FILING DATE: 2001-01-18

PRIOR APPLICATION NUMBER: US 60/177,109

PRIOR FILING DATE: 2000-01-20

PRIOR APPLICATION NUMBER: US 60/225,079

PRIOR FILING DATE: 2000-08-14

NUMBER OF SEQ ID NOS: 47

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 16

LENGTH: 505

TYPE: PRT

ORGANISM: Homo Sapiens

US-09-765-111A-16

Query Match 16.3% Score 372; DB 10; Length 505;

Best Local Similarity 26.5%; Pred. No. 2,86-27;

Matches 11; Conservative 70; Mismatches 152; Indels 86; Gaps 14;

QY 41 GAVGKATGYNHNVMTGCGGFFRRAMKRNARI-KRRPKKGCETTRKRRQCAQRI 99

DB 139 CRVGVKASGSHFYGVACHCKGKFFRTTRKRLYDKGDLN--CRHKRSKNCQYCRF 195

QY 100 KCTLESQKKEKIMSDAVE-ERRALTKRKSERTGTPDVGCLTEGMMIRELMAQ 158

DB 196 QKCLAVGMSHNAIRFGKMQVAKERKLLAEISDIDQNP---FSADLKALAKHLYDSY 250

QY 159 MKTPDTFSHFKNRPLGVLSNCPLESLQAPSR---EFAKKSQVKKDCSLKVS 213

DB 251 EKSPRL-----KAKAKALLTKTKSPFYLYDMNSL-- 285

QY 214 QIKGSDSVNWKPRPASGSKFEISLPHMADSTMYRK-----IISFAKVIS 262

DB 284 -MMGEDKIKERHITPLQDSKREV-----ALRIPOGQFSEVAVOELTFYAKSIP 342

QY 263 YPRPLPEIDISLKGAAFEICQLRNTVFN-----AEITWEGHLSVGLIDIASRQ 416

DB 443 GAVNIDINDVYLTKGVNHTIYMLASIMKQGVLSGQVTKRFTKSTKRRGPF 391

QY 317 QLLPEMKIHYMLKKIQLEHEEYVLMQALSLSPDKNGVLIQHVVQIQDPATIKSY 379

DB 392 ---MEKFEFAKFNALFLIDSDLAFLAVILLSDRRLINVRPIEDIDQNLQALFLQ 448

QY 477 IENRQVRRHRLFLKIMMLTELKSTINAOHTQLRQY-----DILPFAPIMLQIF 429

DB 449 LKLNHPSSQ--LFAKLQKMTDLQIVTEHVQLLQVTKRTKTMSLH----PILQITY 501

RESULT 36

US-09-765-111A-2

Sequence 2, Application US/09765111A

Patent No. US20020106796A1

GENERAL INFORMATION:

APPLICANT: Fletcher, Jonathan A.

APPLICANT: Kroll, Todd G.

TITLE OF INVENTION: PAX6-PARAMMA NOCILEIC ACID MOLECULES

TITLE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF

FILE REFERENCE: H0801/7196/ERP/MAT

CURRENT APPLICATION NUMBER: US/09/765,111A

CURRENT FILING DATE: 2001-01-18

PRIOR APPLICATION NUMBER: US 60/177,109

PRIOR FILING DATE: 2000-01-20

PRIOR APPLICATION NUMBER: US 60/225,079

PRIOR FILING DATE: 2000-08-14

NUMBER OF SEQ ID NOS: 47

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 23

LENGTH: 811

TYPE: PRT

ORGANISM: Homo Sapiens

US-09-765-111A-23

Query Match 16.3% Score 372; DB 10; Length 811;

Best Local Similarity 26.5%; Pred. No. 5,56-27;

Matches 11; Conservative 70; Mismatches 152; Indels 86; Gaps 14;

PRIOR FILING DATE: 2000-01-20

PRIOR APPLICATION NUMBER: US 60/225,079

PRIOR FILING DATE: 2000-08-14

NUMBER OF SEQ ID NOS: 47

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 2

LENGTH: 777

TYPE: PRT

ORGANISM: Homo Sapiens

US-09-765-111A-2

Query Match 16.3% Score 372; DB 10; Length 777;

Best Local Similarity 26.5%; Pred. No. 5,26-27;

Matches 11; Conservative 70; Mismatches 152; Indels 86; Gaps 14;

QY 41 GAVGKATGYNHNVMTGCGGFFRRAMKRNARI-KRRPKKGCETTRKRRQCAQRI 99

DB 411 CRVGVKASGSHFYGVACHCKGKFFRTTRKRLYDKGDLN--CRHKRSKNCQYCRF 467

QY 100 KCTLESQKKEKIMSDAVE-ERRALTKRKSERTGTPDVGCLTEGMMIRELMAQ 158

DB 468 QKCLAVGMSHNAIRFGKMQVAKERKLLAEISDIDQNP---FSADLKALAKHLYDSY 522

QY 159 MKTPDTFSHFKNRPLGVLSNCPLESLQAPSR---EFAKKSQVKKDCSLKVS 213

DB 523 EKSPRL-----KAKAKALLTKTKSPFYLYDMNSL-- 555

QY 214 QIKGSDSVNWKPRPASGSKFEISLPHMADSTMYRK-----IISFAKVIS 262

DB 556 -MMGEDKIKERHITPLQDSKREV-----ALRIPOGQFSEVAVOELTFYAKSIP 604

QY 263 YPRPLPEIDISLKGAAFEICQLRNTVFN-----AEITWEGHLSVGLIDIASRQ 416

DB 605 GAVNIDINDVYLTKGVNHTIYMLASIMKQGVLSGQVTKRFTKSTKRRGPF 604

QY 317 QLLPEMKIHYMLKKIQLEHEEYVLMQALSLSPDKNGVLIQHVVQIQDPATIKSY 476

DB 664 ---MEKFEFAKFNALFLIDSDLAFLAVILLSDRRLINVRPIEDIDQNLQALFLQ 720

QY 477 IENRQVRRHRLFLKIMMLTELKSTINAOHTQLRQY-----DILPFAPIMLQIF 429

DB 721 LKLNHPSSQ--LFAKLQKMTDLQIVTEHVQLLQVTKRTKTMSLH----PILQITY 774

RESULT 37

US-09-765-111A-24

Sequence 24, Application US/09765111A

Patent No. US20020106796A1

GENERAL INFORMATION:

APPLICANT: Fletcher, Jonathan A.

APPLICANT: Kroll, Todd G.

TITLE OF INVENTION: PAX6-PARAMMA NOCILEIC ACID MOLECULES

TITLE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF

FILE REFERENCE: H0801/7196/ERP/MAT

CURRENT APPLICATION NUMBER: US/09/765,111A

CURRENT FILING DATE: 2001-01-18

PRIOR APPLICATION NUMBER: US 60/177,109

PRIOR FILING DATE: 2000-01-20

PRIOR APPLICATION NUMBER: US 60/225,079

PRIOR FILING DATE: 2000-08-14

NUMBER OF SEQ ID NOS: 47

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 24

LENGTH: 811

TYPE: PRT

ORGANISM: Homo Sapiens

US-09-765-111A-24

Query Match 16.3% Score 372; DB 10; Length 811;

Best Local Similarity 26.5%; Pred. No. 5,56-27;

Matches 11; Conservative 70; Mismatches 152; Indels 86; Gaps 14;

QY 41 GAVGKATGYNHNVMTGCGGFFRRAMKRNARI-KRRPKKGCETTRKRRQCAQRI 99

GenCore version 5.1.4-p5_4578
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OM protein protein search, using sw model

Run on: April 15, 2003, 11:18:57 : Search time 15.124 Seconds

(without alignment) 844.274 Million cell updates/sec

Title: US-09-276-935d-14

Sequence: 1 LEVPEKSENNHAEVHCVDL.....QDIPEFALPLMGELEFLLCS 434

Scoring table:

Gapopen 10.0, Gapext 0.5

Search: 262574 seqs, 20422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum hit seq length: 0
Maximum DB seq length: 2000000000

Post processing: Minimum Match 0%

Maximum First 100 summaries

Database:

1: /seq02/6/prodata/1/1aa/5A.COMM.pep:*
2: /seq02/6/prodata/1/1aa/5B.COMM.pep:*
3: /seq02/6/prodata/1/1aa/5C.COMM.pep:*
4: /seq02/6/prodata/1/1aa/5D.COMM.pep:*
5: /seq02/6/prodata/1/1aa/5E.COMM.pep:*
6: /seq02/6/prodata/1/1aa/5F.COMM.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	979.5	42.8	386	US-08-875-082-2	Sequence 2, Appl 1
2	789	44.5	427	US-08-764-870-11	Sequence 11, Appl 1
3	768	41.6	348	US-08-459-489-10	Sequence 10, Appl 1
4	768	31.6	348	US-08-458-686-10	Sequence 10, Appl 1
5	768	31.6	348	US-07-943-459C-10	Sequence 10, Appl 1
6	629	27.5	367	US-07-737-736B-4	Sequence 4, Appl 1
7	498	21.8	461	US-08-430-518-2	Sequence 2, Appl 1
8	498	21.8	461	US-08-430-283-2	Sequence 2, Appl 1
9	498	21.8	461	US-08-646-248-2	Sequence 2, Appl 1
10	498	21.8	461	PCT-US95-13924-2	Sequence 2, Appl 1
11	498	21.8	461	PCT-US95-11931-2	Sequence 2, Appl 1
12	496	21.7	460	US-08-342-411A-2	Sequence 2, Appl 1
13	491.5	21.5	440	US-08-433-458-8	Sequence 8, Appl 1
14	491.5	21.5	440	US-08-433-694-8	Sequence 8, Appl 1
15	491.5	21.5	440	US-08-694-501-8	Sequence 8, Appl 1
16	491.5	21.5	447	US-08-473-935-1	Sequence 1, Appl 1
17	490	21.4	446	US-08-472-652-3	Sequence 3, Appl 1
18	490	21.4	446	PCT-US95-16311-3	Sequence 3, Appl 1
19	487	21.3	446	US-08-776-844-2	Sequence 2, Appl 1
20	487	21.1	443	US-08-342-411A-4	Sequence 4, Appl 1
21	469.5	20.5	472	US-08-496-631-2	Sequence 2, Appl 1
22	454	19.8	469	US-08-472-183-2	Sequence 2, Appl 1
23	454	19.8	469	US-09-469-721-2	Sequence 2, Appl 1
24	454	19.8	469	US-09-656-443-2	Sequence 2, Appl 1
25	454	19.7	469	PCT-US95-17023-2	Sequence 2, Appl 1
26	451.5	19.7	484	US-08-472-652-1	Sequence 1, Appl 1
27	451.5	19.7	484	PCT-US95-16311-1	Sequence 1, Appl 1

28	447	19.5	634	US-08-653-648A-14	Sequence 14, Appl 1
29	445	19.4	461	US-08-764-870-4	Sequence 4, Appl 1
30	445	19.4	461	US-08-980-115-3	Sequence 3, Appl 1
31	444.5	19.4	451	US-08-472-652-2	Sequence 2, Appl 1
32	444.5	19.4	451	PCT-US95-16311-2	Sequence 2, Appl 1
33	432	18.9	355	5224606-4	Patient No. 5224606
34	428	18.7	448	5224606-2	Patient No. 5224606
35	424	18.5	746	US-09-144-759-18	Sequence 18, Appl 1
36	424	18.5	744	US-09-144-759-20	Sequence 20, Appl 1
37	423	18.5	557	US-08-653-648A-12	Sequence 12, Appl 1
38	418	18.3	410	US-08-764-870-2	Sequence 2, Appl 1
39	418	18.3	410	US-08-980-115-2	Sequence 2, Appl 1
40	418	18.3	410	5448126-2	Patient No. 5448126
41	418	18.3	878	US-08-653-648A-15	Sequence 15, Appl 1
42	414.5	18.1	433	US-08-466-120-2	Sequence 2, Appl 1
43	414.5	18.1	433	PCT-US94-07266-2	Sequence 2, Appl 1
44	414	18.1	410	US-08-764-870-1	Sequence 1, Appl 1
45	414	18.1	410	US-08-980-115-1	Sequence 1, Appl 1

ALIGNMENTS

RESULT 1
US-08-875-082-2 Application US/08875082

Sequence 2, 639147

GENERAL INFORMATION:

APPLICANT: Evans, Ronald M.

APPLICANT: Emerson, Kazuhiko

TITLE OF INVENTION: A NOVEL, RAR-DEPENDENT SIGNALING PATHWAY

TITLE OF INVENTION: AND TISSUES USEFUL THEREFOR

NUMBER OF SEQUENCES: 3

CORRESPONDING ADDRESSES:

ADDRESS: Gray Cary Ware & Freudenthal, LLP

STREET: 4465 Executive Dr., Suite 1400

CITY: San Diego

STATE: CA

COUNTRY: USA

ZIP: 92121

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compat 160

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875,082

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US-08/874,445

FILING DATE: 17 JAN 1995

ATTORNEY/AGENT INFORMATION:

NAME: Reiter, Stephen E.

REGISTRATION NUMBER: 35,192

REFERENCE/BOOKLET NUMBER: P41 9887

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619-677-1409

TELEFAX: 619-677-1405

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 386 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-875-082-2

Query Match: 42.8%; Score 979.5; DB 4; Length 386;
Best Local Similarity: 48.6%; Pred. No. 11e-88;
Matches: 202; Conservative: 60; Mismatches: 105; Indels: 49; Gaps: 9;
US-08-875-082-2

REGISTRATION NUMBER: 00786/126001
 REFERENCE/BOOKET NUMBER: 00786/126001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 542-5070
 TELEFAX: (617) 542-8906
 TELEEX: 200154
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348
 TYPE: amino acid
 STRANDEDNESS: N/A
 TOPOLOGY: Linear
 US-08-459-489-10

Query Match 34.6% Score 768; DB 1; Length 348;
 Best Local Similarity 42.2%; Pred. No. 8, 2e-68;
 Matches 164; Conservative 62; Mismatches 109; Indels 54; Gaps 6;

QY 41 CVCQKATGYNVMTGCGKCFPRANKNRLRPPKACETIKTKKQACAR 100
 1 1111111111 1111111111 11 1111111111
 DB 11 CVCQKATGYNVMTGCGKCFPRANKNRLRPPKACETIKTKKQACAR 69
 1111111111 1111111111 11 1111111111
 QY 101 KLESQKEMIMSDAEVEERKALIKKSKRTGTOPTGVJEFORMLRELMADK 160
 1111111111 1111111111 11 1111111111
 DB 70 KLDAMKRMMLSNALALIKKAKQABRAQDIYV-----LSKQRELLPILLGADIR 124
 1111111111 1111111111 11 1111111111
 QY 161 TDTTSHKRNRLGVSSGTELESQASREFAKWSQVRKIDLSKVSQVKEG 220
 1111111111 1111111111 11 1111111111
 DB 124 HMCMEFQVQRPFAHLPIHQ-PIETLAP----- 154
 1111111111 1111111111 11 1111111111
 QY 221 SWNKPVDSSGKELFSLIPMAKSTYMKLISPAKVSFPRLPFENGSLIKKA 280
 1111111111 1111111111 11 1111111111
 DB 154 -----VPLVTHADINPFWLVKTRKIDLPFRSLPIHDSIKKA 198
 1111111111 1111111111 11 1111111111
 QY 281 FEGCQRIQVNAETGQWQKSYCTEDAG-GRQQLLEPKLKEPKKQLEHE 339
 1111111111 1111111111 11 1111111111
 DB 199 VELCHVINTFQIQWFDGPKRTIHPAVAGVPELLEFPHGTLKIDQET 258
 1111111111 1111111111 11 1111111111
 QY 340 YVLMALISFDRKGVQJHVVQJQDFATIKSYTPENRQPAHRELEKIMMJE 399
 1111111111 1111111111 11 1111111111
 DB 259 YVLLAMALFSDRGVIGRDEHQLQDEMALIISYTKQDGRDRELVAKIILLAF 418
 1111111111 1111111111 11 1111111111
 QY 400 EKSINQHTORLRIQDHPFATPIMOEL 428
 1111111111 1111111111 11 1111111111
 DB 319 LKSLNAYGVQIHTQISAM-MELQEL 346
 1111111111 1111111111 11 1111111111

RESULT 4
 US-08-458-686-10
 Sequence 10, Application US/08458686
 Patent No. 5710017
 GENERAL INFORMATION:
 APPLICANT: David D. Moore et al.
 TITLE OF INVENTION: CAR RECEPTORS AND RELATED
 TITLE OF INVENTION: MOLECULES AND METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB
 OPERATING SYSTEM: IBM PC DOS (Version 3.40)
 SOFTWARE: WordPerfect (Version 5.0)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 08/08458-686
 FILING DATE:
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/843,450
 FILING DATE: February 26, 1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Paul T. Clark
 REGISTRATION NUMBER: 30,162
 REFERENCE/BOOKET NUMBER: 00786/126001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 542-5070
 TELEFAX: (617) 542-8906
 TELEEX: 200154
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348
 TYPE: amino acid
 STRANDEDNESS: N/A
 TOPOLOGY: Linear
 US-08-458-686-10

Query Match 43.6% Score 768; DB 1; Length 348;
 Best Local Similarity 42.2%; Pred. No. 8, 2e-68;
 Matches 164; Conservative 62; Mismatches 109; Indels 54; Gaps 6;

QY 41 CVCQKATGYNVMTGCGKCFPRANKNRLRPPKACETIKTKKQACAR 100
 1 1111111111 1111111111 11 1111111111
 DB 11 CVCQKATGYNVMTGCGKCFPRANKNRLRPPKACETIKTKKQACAR 69
 1111111111 1111111111 11 1111111111
 QY 101 KLESQKEMIMSDAEVEERKALIKKSKRTGTOPTGVJEFORMLRELMADK 160
 1111111111 1111111111 11 1111111111
 DB 70 KLDAMKRMMLSNALALIKKAKQABRAQDIYV-----LSKQRELLPILLGADIR 124
 1111111111 1111111111 11 1111111111
 QY 161 TDTTSHKRNRLGVSSGTELESQASREFAKWSQVRKIDLSKVSQVKEG 220
 1111111111 1111111111 11 1111111111
 DB 124 HMCMEFQVQRPFAHLPIHQ-PIETLAP----- 154
 1111111111 1111111111 11 1111111111
 QY 221 SWNKPVDSSGKELFSLIPMAKSTYMKLISPAKVSFPRLPFENGSLIKKA 280
 1111111111 1111111111 11 1111111111
 DB 154 -----VPLVTHADINPFWLVKTRKIDLPFRSLPIHDSIKKA 198
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 QY 281 FEGCQRIQVNAETGQWQKSYCTEDAG-GRQQLLEPKLKEPKKQLEHE 339
 1111111111 1111111111 11 1111111111
 DB 199 VELCHVINTFQIQWFDGPKRTIHPAVAGVPELLEFPHGTLKIDQET 258
 1111111111 1111111111 11 1111111111
 QY 340 YVLMALISFDRKGVQJHVVQJQDFATIKSYTPENRQPAHRELEKIMMJE 399
 1111111111 1111111111 11 1111111111
 DB 259 YVLLAMALFSDRGVIGRDEHQLQDEMALIISYTKQDGRDRELVAKIILLAF 418
 1111111111 1111111111 11 1111111111
 QY 400 EKSINQHTORLRIQDHPFATPIMOEL 428
 1111111111 1111111111 11 1111111111
 DB 319 LKSLNAYGVQIHTQISAM-MELQEL 346
 1111111111 1111111111 11 1111111111

RESULT 5
 US-07-843-450-10
 Sequence 10, Application US/07843450
 Patent No. 575448
 GENERAL INFORMATION:
 APPLICANT: David D. Moore et al.
 TITLE OF INVENTION: CAR RECEPTORS AND RELATED
 TITLE OF INVENTION: MOLECULES AND METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB
 OPERATING SYSTEM: IBM PC DOS (Version 3.40)
 SOFTWARE: WordPerfect (Version 5.0)
 CURRENT APPLICATION DATA:

US-08-430-518-2
Sequence 2, Application US/08340518
Patent No. 5607967
GENERAL INFORMATION:
APPLICANT: Friedman, Eitan
APPLICANT: Holmway, M. Katharine
APPLICANT: Rodan, Gideon
APPLICANT: Schmidt, Arvid
APPLICANT: Vogel, Robert
TITLE OF INVENTION: USE OF RECEPTOR POTENTIATORS
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: 126 East Lincoln Avenue
CITY: Rahway
STATE: New Jersey
COUNTRY: US
ZIP: 07065-0907
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patulin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08340, 518
FILING DATE:


```

01 TITLE OF INVENTION: METHOD FOR MODULATING PROTEIN METABOLISM
02 BY FARNESIO ALVAREZ
03 NUMBER OF SEQUENCES: 7
04 ADDRESS/WORKING ADDRESS:
05 ADDRESS: 444 South Flower Street, Suite 2000
06 CITY: Los Angeles
07 STATE: CA
08 COUNTRY: USA
09 ZIP: 90071
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: floppy disk
12 OPERATING SYSTEM: PC-DOS/MS-DOS
13 SOFTWARE: Fortran Release #1.0, Version #1.25
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/08-372,183
16 FILING DATE:
17 CLASSIFICATION: 455
18 ATTORNEY/AGENT INFORMATION:
19 NAME: Kotler, Stephen E.
20 REGISTRATION NUMBER: 31,192
21 REFERENCE/WORK NUMBER: 141 9844
22 TELECOMMUNICATION INFORMATION:
23 TELEPHONE: 619-546-4747
24 TELEFAX: 619-546-9392
25 INFORMATION FOR SEQ ID NO: 2:
26 SEQUENCE CHARACTERISTICS:
27 LENGTH: 469 amino acids
28 TYPE: amino acid
29 TOPOLOGY: linear
30 MOLECULE TYPE: protein
31 US-08-372,183 2
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[illegible][illegible]

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0Y 221 SWNVKPPADSGKELFSLIPHMADSTYMKGLISPAKVISTYEDLPTEQDLSLKGA 286
0b 274 -----EFAAEENFLI-----TEMAISHVQIVLEFKFLGQVTLHHEGIALKGA 421
0Y 281 EELVULKFNVTNAF--TGTWVGRLSYGIFDIAPPOULLEPMKREHYMKKJLHEE 438
0b 322 VEAMFLASAELEFNKKLLPOLQVWKKEE--EFAASHMR--YITPESYKSVLKKMLQE 477
0Y 339 FYVMGLMSTLSPSPRGVQVQHRVNDLOFQFATLKSTYENRQV-PAHREPLKIMAM 497
0b 438 FYALLTAVILSPROYKIRGAVERKLOPILVQDKLCKLYQENPQH--FALLIARL 444
0Y 398 FETLSINAOHTQRL--RIQDHPFAPIPMOLPFI 411
0b 435 TELTFNHHAHMLMSRWND HKF--TFLCELMV 468

RESULT 25
PCT:US95-17023-2
Sequence 2, Application IN/US9517023
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Evans, Barry M.
APPLICANT: Weinberger, Gary A.
TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
TITLE OF INVENTION: BY FARNESOLID ACTIVATED RECEPTORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: Proly, Schroeder, Broegemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/17023
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 41,192
REFERENCE/BOOKET NUMBER: 141 9844
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4392
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 469 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT:US95-17023-2

Query Match 19.88; Score 454; DB 5; Length 469;
Best Local Similarity 28.98; Pred. No. 1,56-36;
Matches 132; Conservative 79; Mismatches 141; Indels 104; Gaps 18;

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0Y 161 FDTTSHKPNFELPVANSCELEPESLOASRFAAMSVQKIDSLIKVSLVLMGEH 229
0b 260 Q-----EMPQFTI-----NKILKE 278
0Y 221 SWNVKPPADSGKELFSLIPHMADSTYMKGLISPAKVISTYEDLPTEQDLSLKGA 280
0b 274 -----EFAAEENFLI-----TEMAISHVQIVLEFKFLGQVTLHHEGIALKGA 421
0Y 281 EELVULKFNVTNAF--TGTWVGRLSYGIFDIAPPOULLEPMKREHYMKKJLHEE 438
0b 422 VEAMFLASAELEFNKKLLPOLQVWKKEE--EFAASHMR--YITPESYKSVLKKMLQE 477
0Y 339 FYVMGLMSTLSPSPRGVQVQHRVNDLOFQFATLKSTYENRQV-PAHREPLKIMAM 497
0b 438 FYALLTAVILSPROYKIRGAVERKLOPILVQDKLCKLYQENPQH--FALLIARL 444
0Y 398 FETLSINAOHTQRL--RIQDHPFAPIPMOLPFI 411
0b 435 TELTFNHHAHMLMSRWND HKF--TFLCELMV 468

RESULT 26
US-08-372-652-1
Sequence 1, Application US/08372652
Patent No. 5932639
GENERAL INFORMATION:
APPLICANT: Moore, David
APPLICANT: Scott, Wendi
APPLICANT: Choi, Hong-Sik
TITLE OF INVENTION: REFINED X RECEPTOR INTERACTING
TITLE OF INVENTION: POLYPEPTIDES AND RELATED MOLECULES AND METHODS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESS: Fish & Richardson P.C.
STREET: 225 Franklin Street, Suite 4100
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.40
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/372,652
FILING DATE: 13-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul L.
REGISTRATION NUMBER: 40,162
REFERENCE/BOOKET NUMBER: 00786/240001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 484 amino acids
TYPE: amino acid
STRANDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-372-652-1

Query Match 19.78; Score 451.5; DB 2; Length 484;
Best Local Similarity 28.08; Pred. No. 2,86-90;
Matches 122; Conservative 78; Mismatches 140; Indels 95; Gaps 14;

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QY 62 KQFFRAKKNARLQVYKRCAPETTRKTRQCAQLKLTESQKKEMISDQAVERR 121
 DB 211 KQFFRSVYTNAYVCKRFOH-ACQIMQWYKRRCKQKRLKLAQMGPEVY----VYEN 264
 QY 122 RALIKRKKSKRTQDVLQVGTETFRQNNHIELMDQKJEDTDFESKXFRLEPVSSQ 181
 DB 265 QCATKKER-----KAKQKDKQVYTN-----ATYSTINSTRSEHLLPTLMK-- 305
 QY 182 CHLPESLOAP-SHEAAKKSQVYKQKLCISKVLOJRGDSNVW---NYKPAVNSCKEFL 237
 DB 306 CDRPHQALFLRLKELKLENNRLEKN--PLPLNQMAVLYKLLQDQYVQPSSEDKRIM 163
 QY 278 SLIP-----HMAQSTYMKQGISFAKVISYFRDLPLEHQLSLKGAAPRQV 285
 DB 364 IGSNNEEDHONVPRHITETITLTVQLIVERAKGLPAFTKIPQEDQTTLLKASSTVVM 423
 QY 286 LRFVYNAELGT-WESQKLSYLEDYAGFQQLLEHMLKPHMLKRLQJHEFVLMQ 344
 DB 424 LEMARKYUATQISLEFANNBSYLRQSYRMAAMADTELEHLPQKQESLYDVVYVALIL 383
 QY 345 ALSTSPDRGVQJHVVYVQJQGFALIKSYLEGN--LQPAHREPLKIMAMIELRS 402
 DB 484 ALVIFS DRRQLFQALVLELOSYVLTQKTYT LNRHMQPRQSVLFAKLSTITELRI 543
 QY 406 LNAOHTO -----ELR-----LQDHP 419
 DB 542 LQNSQSEMPSLKIKKKKLELEPLWQDLP 575

RESULT 29

US-08-764-870-4

Sequence 3, Application US/08764870

Patent No. 6236946

GENERAL INFORMATION:

APPLICANT: Scandian, Thomas S

APPLICANT: Baxter, John D

APPLICANT: Fletchrick, Robert J

APPLICANT: Wagner, Richard L

APPLICANT: Kushner, Peter J

APPLICANT: Applelli, James W

APPLICANT: West, Brian

TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand

TITLE OF INVENTION: Binding Domains

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESS: Cooley Godward

STREET: Five Palo Alto Square, 3000 El Camino Real

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.00

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/764,870

FILING DATE: 14-DEC-1996

CLASSIFICATION: 540

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/008,540

FILING DATE: 13-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/008,543

FILING DATE: 14-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/008,506

FILING DATE: 14-DEC-1995

ATTORNEY/AGENT INFORMATION:

NAME: Nakamura, Jackie N

REGISTRATION NUMBER: 35,966

REFERENCE/ID# KEY NUMBER: US-AI-246/0105
 INFORMATIONAL INFORMATION:
 TELEPHONE: (650)644-5000
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 461 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-764-870-3

Query Match 19.48% Score 445; DB 4; Length 461;
 Best Local Similarity 29.48%; Pred. No. 1; Le-45;
 Matches 119; Conservative 67; Mismatches 155; Indels 44; Gaps 14;

QY 39 QTRVQNMALQYTHNVNCTGCKKPTFRRAKKNAR--LQVYKRCAPETTRKTRQCAQLKLTESQKKEMISDQAVERR 121
 DB 105 ELGVVQGRALGVHGRKTEGRKQKPTTRTQKMLHPYSQKY DQVLOKVTQKQVCE 164
 QY 97 QRLKLTESQKKEMISDQAVERRALIKRKKSKR-----TQDPLAVQJLEQOR 148
 DB 164 GRRKQTYVQMAIDVLDQSKLAKKRLLENNRKRFRRLQSKTQKRI--FLLHLEW 219
 QY 149 MTRRLMDQKRTYDTHSHKXNFRQVYSSQTELES--QALSHFAKKSQVYKRLD 207
 DB 220 FLTKVYEMAVAI-NAQDSQSK--QKPKR--LLEDSQGA 254
 QY 208 SLKVSQDREKMSWNAKPVASAKKEPESLLPQMAQSTYMKQGISFAKVISYFRDLPLEHQLSLKGAAPRQV 285
 DB 255 --LVN--ATDQKVDLEPNSHLEKLLIALIKVIAKKLIMQTELE 296
 QY 268 PLEQVSLKQAAFLQVQKQIVNATIGTW? QKLSYTLQDANTQGLLELMK 326
 DB 297 PCHQUTLLKRGYMLBMSIAKAVKTPDSEILINQBAVYRQKKNQALVSWAIPDQ 356
 QY 327 HYLKRLQJHEFVLMQALSTSPDRGVQJHVVYVQJQGFALIKSYLEGN--LQPAHREPLKIMAMIELRS 402
 DB 357 QMSLSSTNLLDLEVALQVLLMSDDRGAGVERIEKYQSPLAVERHINVKRIVH 415
 QY 387 RFLFKLMALHTRSTNDQHTQRLRLQDHP--FALPLMDLFL 429
 DB 417 --FWPKLMKVVDRLQVWASKEFLMKVETLELLPLLEVF 459

RESULT 30

US-08-980-115-3

Sequence 3, Application US/08980115

Patent No. 6256222

GENERAL INFORMATION:

APPLICANT: Scandian, Thomas S

APPLICANT: Baxter, John D

APPLICANT: Fletchrick, Robert J

APPLICANT: Wagner, Richard L

APPLICANT: Kushner, Peter J

APPLICANT: Applelli, James W

APPLICANT: West, Brian L

APPLICANT: Shih, Andrew K

TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand Binding Domains

TITLE OF INVENTION: Binding Domains

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESS: Cooley Godward

STREET: Five Palo Alto Square, 3000 El Camino Real

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.00

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/980,115

FILING DATE: 14-DEC-1996

CLASSIFICATION: 540

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/008,540

FILING DATE: 13-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/008,543

FILING DATE: 14-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/008,506

FILING DATE: 14-DEC-1995

ATTORNEY/AGENT INFORMATION:

NAME: Nakamura, Jackie N

REGISTRATION NUMBER: 35,966

FILING DATE:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/472,652

FILING DATE: 13-JAN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Clark, Paul T.

REGISTRATION NUMBER: 30,142

REFERENCE/DOCKET NUMBER: 00786/246001

TELEPHONE/ATTORNEY INFORMATION:

TELEPHONE: 617/542-5070

TELEFAX: 617/542-8906

TELETYPE: 200154

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 451 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: protein

EC: 0595-16311-2

Query Match:

19.4% Score 444.5; DB 5; Length 451;

Best Local Similarity 28.3%; Pred. No. 1,26-35;

Matches 125; Conservative 74; Mismatches 158; Indels 105; Gaps 15;

23 VQKPSVNADE--EVGGPOICRGCGKATGYENNYTCGGCKGFFRAAMKRNALRCPPR 80
 81 VTKPRMAASAGHKKDELGVCGDGRASGYHNALTCGGCKGFFRSITKNVYKCK-N 139
 81 KQCEITKTRTROCACRLKCLCSGKKKEMIN-----SIDRAVE 119
 140 GGNVVMYMRKRCGRGRLKCTKREMGMLAEWYGLTELCCKKRLKKNVYKQVATVN 149
 120 E-----KALLKRRKKSPTGTPGLGVGLTERDORMMKRLMDAKKTETFTSHKKN 172
 200 EDSGEGMLQVSTFKPKRKE-----LTAQQTILDYIMOSYNQ----- 242
 173 KLVVLSNCSPESTLQVTSRPAKMSOVKRDLSKRVSTQLKGGDSVNNYKRPASD 242
 243 KMPQETL-----NKLKLE-----FHS 268
 243 GKLEFSLIHMAIMSTYMKGLISPAKAVSYERKLPLEDSITLKGAFELQVLRNIVE 292
 259 AENFHLI---TEMLSHVLIIEFTKRLPGQTLDEHQAALKGSVEAMPAKAP 315
 293 NAETGFWCKLSVCDHAGSGFOQLLEPMLEPMLEKMKKQLDHEEVLVQALISLSPD 352
 316 NKLEPAGADLEERTKS--GISSEYILPMSFYSKSGELKMTGDFALITAVILSPD 373
 353 EPMVLIQIRVNDQLOBOFATLKSYIEGNRPQ PAIRPLEIKIMAMTECSINAOHTDEL 411
 374 KQYKQPEAVKLEDEPLIVYKQKQKMGVGFENRQ---FALLDGLTELPLEFNHIMAML 440
 412 L--RTDIPHPATLMQELFGI 431
 431 MSKRVNI--IKF--TELLGHTMAY 450

RESULT 43

5223606-4

PATENT NO. 5223606

APPLICANT: BLAUDIN DE THE, HUGHES, MARC'HO, AGNES, TIOUATIS,

PREFERRED NAME: ANNE

TITLE OF INVENTION: STEROID/HYPOD HORMONE RECEPTOR-RELATED

PROTEIN INAPPROPRIATELY EXPRESSED IN HUMAN HEPATOCYTIC LIVER VACCINOMA

NUMBER OF SEQUENCES: 11

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/07/134,130

FILING DATE: 17-DEC-1987

PRIOR APPLICATION DATA:

SEQ ID NO: 4

LENGTH: 455

Query Match:

18.9% Score 432; DB 6; Length 455;

Best Local Similarity 29.3%; Pred. No. 1,56-14;

Matches 118; Conservative 65; Mismatches 156; Indels 64; Gaps 14;

41 GYGGKATGYHNNWTCGCKGFFRAAMKRNAR--LRCPGACVETFKRIHQVQVNR 98
 1 GYGGKATGYHNNWTCGCKGFFRAAMKRNAR--LRCPGACVETFKRIHQVQVNR 99
 99 LRCPGACVETFKRIHQVQVNR--LRCPGACVETFKRIHQVQVNR 150
 60 EKKTVYGMADIVLIDSSKRLAKRKLLENKKRRRRELSKGRHKP--EFLDEML 119
 151 LRPLMAQMKRTPLFESHKKNRIGVASSDPLHESI--QVSPFAAKMSVYKRIHSEI 209
 116 KTVIFAVAT NAQSHK--QKRP--LLEHQAQV-- 148
 210 KVSILQKEDNSVNNYKRPVADSGKELSLPHAMDSYMKGLISPAKAVSYERDPL 269
 149 -----LVN--APGGVQVLEAFSHETKILIPALIRVVLFAKRLMPQELDC 192
 270 EDSITLKGAFELQVLRNIVEFNAFTGTCG--GRLSVGLDIAHQDQILLPMLKPHY 328
 193 EDVILKKGDMIMSLRAAVYDESEITLLINDMNAVTRQKNGQGVSNVATIDISM 252
 329 MKKQLDHEEVLVQALISLSPDRGVLIQIRVNDQLOBOFATLKSYIEHNPQAHNP 388
 253 SLSEFNLDIVFALIDAVLIMSSDRDGLAEVERIKYQDSLAEFHYIYKRNHVT 410
 389 LFLKIMAMTECSINAOHTORLTIODIR--FATPMQELF 429
 311 EPMLEKMKVYDLMKQVNASFLIMKVECTELPLPLFVE 454

RESULT 44
 5223606-2
 PATENT NO. 5223606
 APPLICANT: BLAUDIN DE THE, HUGHES, MARC'HO, AGNES, TIOUATIS,
 PREFERRED NAME: ANNE
 TITLE OF INVENTION: STEROID/HYPOD HORMONE RECEPTOR-RELATED
 PROTEIN INAPPROPRIATELY EXPRESSED IN HUMAN HEPATOCYTIC LIVER VACCINOMA
 NUMBER OF SEQUENCES: 11
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 08/07/134,130
 FILING DATE: 17-DEC-1987
 PRIOR APPLICATION DATA:
 SEQ ID NO: 2
 LENGTH: 448

Query Match 18.7% Score 428; DB 6; Length 448;
 Best Local Similarity 30.6%; Pred. No. 5,26-44;
 Matches 132; Conservative 60; Mismatches 159; Indels 80; Gaps 14;
 9 WNT---AGVYDSETS---VGGPSVNADEVQSDPQICRGCGKATGYENNYTCGGCK 62
 45 WQHHDAQSILIDSSSEELVSPVSPVLPQVKKV--GVGVKSSGSHVGVSAEGR 102
 63 GFFRAAMKRNALRCPPRGAETFKRIHQVQVNRKCLCSGKKKEMINSDRAVEER 122
 103 GFFRSITKNVYKCK--HROKNVILKRVTRNRCQYGRQCKPEVMSKSEVND 154
 123 ALKRRKKSPTGTPGLGVGLTERDORMMKRLMDAKKTETFTSHKKNFPLVLS 180
 155 --BNKKRKTSPQ-----GISSEYILPMSFYSKSGELKMTGDFALITAVILSPD 194
 181 QVPLPESLQVSPFAAKMSVYKRIHSEI--LRCPGACVETFKRIHQVQVNR 240
 195 LQVQKRYTINSSAMH-----EVALD-----CLDME 219
 243 PHAMDSYMKGLISPAKAVSYERKLPLEDSITLKGAFELQVLRNIVEFNAFTG 268
 220 KESFLATKTLKTVFAKRLPQELTALDQITLKKAVTOLLIRCTIRTFEGQIKI 276

[illegible]

```

1 RECORD 01
2 DS 00 144 P50 16
3 Sequence 16, Affiliation 00 00/00144 P50
4 Record No. 6117459
5
6 INTERNAL INFORMATION
7
8 AVAILABLE: Book, Thomas
9 AVAILABLE: Summary, Brucka
10
11 TITLE OF INVENTION: POLYMER PROPERTIES, ION MOLECULES, VISCOSE, AND FIBRE
12
13 TITLE OF INVENTION: METHOD FOR MEASURING PROTEASE ACTIVITY
14
15 FILE REFERENCE: VPI/98 08
16
17 CURRENT AFFILIATION NUMBER: 00/00144, P50
18
19 CURRENT FILING DATE: 1998 08 01
20
21 NUMBER OF SEQ. TO NOS.: 24
22
23 SOFTWARE: Patsoft Ver. 2.0
24
25 SEQ. TO NO. 16
26
27 LENGTH: 746
28
29 TYPE: PFI
30
31 ORGANISM: Artificial Sequence
32
33 FEATURE:
34
35 OTHER INFORMATION: Description of Artificial Sequence-main mode
36
37 OTHER INFORMATION: Artificial Sequence
38
39 DS 00 144 P50 16

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Quarry Match	18, 58;	Score	424;	Dts	4;	Length	746;
Local Local Stimulating	27, 38;	Prod. No.	2, 7053;				
Mutches 140;	Conservative	89;	Mismatches	172;	Indels	80;	Claps
						18	

[illegible]

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RESULT: 00
US: 09:144.759.20
SEQUENCE: 20, Artificial from US/09144.759
FORMAT: No, 01175.69
ORIGINAL INFORMATION:
APPLICANT: Hewlett, Thomas
APPLICANT: Goldman, Isidora
TITLE OF INVENTION: FUSION PROTEINS, RNA MOLECULES, VECTORS, AND HOST CELLS
FILE OF INVENTION: US/79 08
FILE REFERENCE: 091/79 08
CURRENT APPLICATION NUMBER: US/09/144.759
CURRENT FILING DATE: 1978-08-31
NUMBER OF SEQ. ID NOS.: 24
SOURCE: Patent in West. 2.0
SEQ. ID No.: 20
LENGTH: 764
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence made
US: 09:144.759.20

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Quality Match	18.58;	Score	4.24;	108.47;	Length	764;
Fast Local Similarity	27.38;	Prod. No.	2.86;	44;		
Matches	107;	Unsaved	172;	Index's	85;	Caps
						18

[illegible]

CY	120	KKKKJKKKSEBQJQJCVOLLEP.....GMMRELMOMKIFDITFSLKNR	174
	:	:	:
	: :	: : :	: : : :
DZ	229	KRRERAKRKOKMTTSSQJHNMSTASGDOLFVKELIOML.....	274

07 174 HPGVLSGRTPLPSTLQATSRREAKMSDYKRLA/SI.KAVSIQRIHHSW- --NYKKPAN 240
 ||| : | : ::||| : ||| : ||| :
 16 279 -CEPPGPAETPLLPDLAKQAARNTSLYNQLAVYKLIWYGVNVEGVSE 325

[illegible]

07	ZMO AEEIC QULF	NIVNMGCGTWGUGU SYCTEDJ AGUEPULI EAMNBYMR	441
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146	GGE NSEVMMILKMAKCIJISNLSIPFANKRSTY	KDSYKMAZMAN	LEHJLJFCQOMF 438

439 3.2.1. *SMKVNVEYALL* (INITIALS = PROJECT/KEY/MEAL/USY/101/LR/1) LNH07H05SMKVE 4396

[illegible]

Result 47
US-OR 0.3 6.4BA 1.2
: Neofluorene 2,4-Arylification US/0861564BA

GENEVA, INTERNATIONAL:
 ABELIAN: Depson, Jan
 ABELIAN: Greenfield, Andrew

1: ILL. OP. INVENTION: A (2000) Switch
2: ILL. REFERENCE: P1950067/015

? CURRENT APPLICATION NUMBER: US/08/653,648A
 ? PRIOR FILING DATE: 1996-05-24
 ? PRIOR APPLICATION NUMBER: GB 9510759.5
 ? PRIOR FILING DATE: 1995-05-26
 ? PRIOR APPLICATION NUMBER: GB 9605656.9
 ? PRIOR FILING DATE: 1996-04-18
 ? PRIOR APPLICATION NUMBER: GB 9513882.2
 ? PRIOR FILING DATE: 1995-07-07
 ? PRIOR APPLICATION NUMBER: GB 9517316.7
 ? PRIOR FILING DATE: 1995-08-24
 ? NUMBER OF SEQ ID NOS: 65
 ? SOFTWARE: Patent In version 3.0
 ? SEQ ID NO 12
 ? LENGTH: 557
 ? TYPE: PRT
 ? ORGANISM: Manduca sexta
 ? US-08-653-648A.12

Query Match

18.5% Score 423; DB 4; Length 557;

Best Local Similarity 26.2%; Prod. No. 2,2e-33;

Matches 124; Conservative 89; Mismatches 159; Indels 102; Gaps 15;

QY 2 EVPRKSNMNADEHCEDESYVEKPSVNADEFGG-----QICVGRKAKGVHNV 65
 DB 115 ELSPASSING-----SLGPR-----KOKKGAPROEHLVLCGNASGVHYNA 161
 QY 56 MTEGKGFPRKAMKNAH KPFPRKACETRTKQCAQRLKGLSGMKKEMMSD 115
 DB 162 ITCGKGFPRSVKNAVYCKEFGH-AFEMDMYMRKQCHKRLKGLAVGMEHVVPE 220
 QY 116 EAVEERKALIKKRSKSLGLOPLGYOGLFFGQ-----SMHRI 152
 DB 221 STCKNR-----KRFARERKELPSTTVIDIMRAIMOCIPPEAKRHEVVPPLIE 276
 QY 153 ELMDA-QMKTFTTSHFNKRLPVGLSSGELPESIQAVSRFAKWSVRKDLCKV 211
 DB 277 KLMQNKIKVPTPLSANOKSILLAKLV-----YQGYEPESEFLKRVTO----- 422
 QY 212 SLQIFRDSVWNYKPPADSGKLEFSLPHMADSYMKGLISPAKVSFRLPTEO 271
 DB 323 FWOIETRE-----EETIMPTROI-----TEKITITVQLVHFKKLIWGSKSISQSH 369
 QY 272 QSLIKGAEVLQLEPNTVNAETG-----WEGRLSYCELDIAGPQOI 418
 DB 470 QILLKASSSEVMMLEVARRYDAIDSVLFANNQAVYTRDNFKAKMSVYED----- 421
 QY 319 ILPEMLKFMVLMKLOIHEEYVLMATSLSPDRPVYQHRVVDLOEOPATLKSYSI 377
 DB 422 ILHFCQWYMSKMOVHVALITAVIFS-DRGLDLOHLVPHQRYVLTLLVYTL 476
 QY 478 EYNRPQAHPLFKIMAMLLFRSINQHTQRLKLODITVATPTMOETEL 431
 DB 477 NQHSASPRVAFLEKLVVLEKRLQIGUNSMISLTKNPKLPFLLELMOV 530

RESULT 38

US-08-764-870-2

? Sequence 2, Application US/08764870

? Patent No. 6236946

? GENERAL INFORMATION:

? APPLICANT: Scanlan, Thomas S

? APPLICANT: Baxter, John D

? APPLICANT: Fletchrick, Robert J

? APPLICANT: Wagner, Richard L

? APPLICANT: Kishner, Peter J

? APPLICANT: Appleby, James W

? TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand

? TITLE OF INVENTION: Binding Domains

? NUMBER OF SEQUENCES: 16

? CORRESPONDENCE ADDRESS:

? ADDRESS: Coolidge Howard

? STREET: Five Palo Alto Square, 4000 P1 Camino Real

? CITY: Palo Alto
 ? STATE: CA
 ? COUNTRY: USA
 ? ZIP: 94306
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: floppy disk
 ? COMPUTER: IBM pc compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent In Release #1.0, Version #1.0
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/764,870
 ? FILING DATE: 13-DEC-1996
 ? CLASSIFICATION: 540
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US 60/008,540
 ? FILING DATE: 13-DEC-1995
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US 60/008,544
 ? FILING DATE: 13-DEC-1995
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US 60/008,606
 ? FILING DATE: 14-DEC-1995
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Nakamura, Jackie N
 ? REGISTRATION NUMBER: 35,966
 ? REFERENCE/WORK NUMBER: 07-AU-246/0105
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (650)843 5000
 ? INFORMATION FOR SEQ ID NO: 2:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 410 amino acids
 ? TYPE: amino acid
 ? STRANDNESS:
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: protein
 ? US-08-764-870-2

Query Match 18.5% Score 418; DB 4; Length 410;
 Best Local Similarity 27.7%; Prod. No. 4.5e-43;
 Matches 120; Conservative 66; Mismatches 167; Indels 80; Gaps 14;

QY 17 GEPIESVPR PS-VNADEVGQDTGVGQKATGVHFNVMIGESGKPFPRKAKRNR 74
 DB 33 GSKTSMSTVSTLQKQD-----CVVGQKAPVHYNGCTQKQKGFPRILQKQH 86
 QY 75 ILCTPRKAWPEITRKILPQVQATRLKQLESGMKKEMMSDEAVEERKALIKKRSR 132
 DB 87 PTYSKY-HSCVYVHKILHNGQULTRKKKGLAVAMADVLQDSKVAARKI LEONRBR 145
 QY 133 TGVPLAGVGLLESPRMKRLMDAOKTETITPSHKRRLGVSSGPTPESLQATS 192
 DB 146 -----KKEMIKRSLQDPEPTPEW-----PLHRTFAKRSINA- 180
 QY 193 REFAKWSVRKDLPSIVSLQI KQDQSVWNYKPPADSGKLEFSLPHMADSYMKGLISPAKVSFRLPTEO 271
 DB 181 QSHMKGRKRL-----RDDHDSIVSMKQKQVLEASR 217
 QY 243 MAIMSTVPRKGLISPAKVSFRLPTEOQSLKGAPELQLEPNTVNAETGWE- 401
 DB 218 FTKLITPAITRVVDPARKLPMESELPECNQILLKGYCMEIMSLAAVYEDPSOILLIS 277
 QY 402 GRISYCELEDPADQPOULLEPMKFEVYLMKLOIHEEYVLMATSLSPDRPVYQHRVVDLOEOPATLKSYSI 377
 DB 278 GEMAVKREQLKNGIGVSDAIFELQKLSAFNLDLEVALQAVILMKLSISGLLVK 457
 QY 462 VVQLOQFAILIKSYENRQVPAHPLFKIMAMLLFRSINQHTQRLKLODITVATPTMOETEL 431
 DB 438 TERSCPAVYLAPEHVNHRKNIH--FWKILMKVTLRMMVASHETIMKVEVLE 495
 QY 417 IHPALPIMOLE 429
 DB 496 LRP--PLFLEV 405

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 600,000 version 5.1.4_p5_4578

protein protein search, using sw model

Run on: April 15, 2004, 11:21:47 ; Search time 16.5073 seconds

1088.854 Million cells/second

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Page:	15 of 15

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Securing table: H105S0M62

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Searched: 248812 seqs. 61136040 residues

Total number of hits satisfying chosen parameters: 246812

Minimum TDS Sec 1.00000000

Maximum I/O seq.: 2000000000

Post-processing: Minimum Material: 0.8

Maximum Moisture 100%

Listed first 45 summaries

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- 2: /csm2_5/prodata/a2/pub/pbaa/0507_NEW_PUB pep: *
- 3: /csm2_6/prodata/a2/pub/pbaa/0506_NEW_PUB pep: *
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- 11: /csm2_6/prodata/a2/pub/pbaa/0510_NEW_PUB pep: *
- 12: /csm2_6/prodata/a2/pub/pbaa/0510_PUBCOMH pep: *
- 13: /csm2_6/prodata/a2/pub/pbaa/0506_NEW_PUB pep: *
- 14: /csm2_6/prodata/a2/pub/pbaa/0506_PUBCOMH pep: *

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARY

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2	15.28	100.0	473	9	05-09-143-828-4			Sequence 4	Appl1
3	14.1	92.3	444	9	05-09-227-718-2			Sequence 2	Appl1
4	50.2	34.7	386	9	05-10-153-372-2			Sequence 2	Appl1
5	47.9-5	31.4	257	10	05-09-814-569-1			Sequence 1	Appl1
6	47.9-5	31.4	348	10	05-09-760-364-1			Sequence 1	Appl1
7	46.5	30.4	359	10	05-09-760-364-2			Sequence 9	Appl1
8	43.2-5	28.3	358	10	05-09-760-364-2			Sequence 2	Appl1
9	28.2	18.4	286	10	05-09-883-093-2			Sequence 2	Appl1
10	28.2	18.4	286	10	05-09-760-364-3			Sequence 3	Appl1
11	24.4-5	15.0	446	10	05-09-909-346-2			Sequence 2	Appl1
12	24.4-5	15.0	446	10	05-09-909-346-2			Sequence 2	Appl1
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14	24.4-5	16.0	446	12	05-10-013-833-2			Sequence 2	Appl1
15	24.3-5	15.9	461	12	05-10-013-833-2			Sequence 2	Appl1
16	24.1-5	15.8	476	9	05-10-188-721-1			Sequence 4	Appl1
17	24.1-5	15.1	469	9	05-10-155-379-2			Sequence 2	Appl1
18	20.1	14.1	448	9	05-09-814-604-2			Sequence 2	Appl1
19	20.1	13.1	448	10	05-09-747-727-4			Sequence 4	Appl1

	20	201	13	462	9	US-09_814-6-14	Sequence 1, Appl	
	21	200	13	462	10	US-09-797-7-27-3	Sequence 3, Appl	
	22	199	12	9	272	9	US-09-941-0-50-2-3	Sequence 4, Appl
	23	198	12	9	272	10	US-09-814-8-9-2-3	Sequence 18, Appl
	24	198	12	9	649	10	US-09-965-7-0-1-18	Sequence 18, Appl
	25	198	12	9	550	9	US-09_854-5-40_18	Sequence 17, Appl
	26	198	12	9	583	10	US-09-965-7-0-1-17	Sequence 16, Appl
	27	198	12	9	625	10	US-09-965-7-0-1-16	Sequence 5, Appl
	28	198	12	9	746	9	US-09-042-4-88B-5	Sequence 7, Appl
	29	198	12	9	746	9	US-09-042-4-88B-7	Sequence 7, Appl
	30	198	12	9	1041	9	US-09-042-4-88B-9	Sequence 7, Appl
	31	194	5	323	10	US-09-965-7-0-1-20	Sequence 20, Appl	
	32	189	5	688	9	US-09-941-0-70A-1	Sequence 1, Appl	
	33	189	5	750	9	US-10-008-1-37A-4	Sequence 1, Appl	
	34	189	12	4	505	10	US-09-765-111A-16	Sequence 16, Appl
	35	189	12	4	516	10	US-09-865-840-2	Sequence 2, Appl
	36	189	12	4	777	10	US-09-765-111A-2	Sequence 2, Appl
	37	189	12	4	811	10	US-09-765-111A-24	Sequence 24, Appl
	38	189	12	4	874	10	US-09-765-111A-4	Sequence 4, Appl
	39	189	12	4	874	10	US-09-765-111A-16	Sequence 16, Appl
	40	188	5	435	10	US-09-965-7-0-1-19	Sequence 19, Appl	
	41	188	12	3	475	12	US-10-142-57-3-2	Sequence 2, Appl
	42	187	5	606	10	US-09-952-559-8	Sequence 8, Appl	
	43	186	12	2	478	10	US-09-765-111A-27	Sequence 27, Appl
	44	186	12	2	506	12	US-10-109-886-6	Sequence 6, Appl
	45	176	11	5	420	10	US-09-965-7-0-1-15	Sequence 15, Appl

ALIGNMENTS

```
RES001 1
US-09_143-828-2
? Sequence 2, Application US/0914 828
? Publication No. US20040032790A1
? GENERAL INFORMATION:
? APPLICANT: Pharmacia & Upjohn
? TITLE OF INVENTION: Acid Sequences Encoding the Same and Uses Thereof
? FILE REFERENCE: 10806-65
? CURRENT APPLICATION NUMBER: US/09/143-828
? CURRENT FILING DATE: 1998 08 11
? NUMBER OF SEQ ID NOS: 4
? SOFTWARE: Patent Vort. 2.0
? SEQ ID NO: 2
? LENGTH: 414
? TYPE: PRT
? ORGANISM: Artificial Sequence
? FEATURE:
? OTHER INFORMATION: Description of Artificial Sequence: The reduced amino
? OTHER INFORMATION: acid sequence of vitamin D receptor related amino
? OTHER INFORMATION: [VDRBD]
US-09-143-828-2

Query Match          100.0%   Score 1529; 188 B; Length 414;
Best Local Similarity 100.0%; Ident. No. 4; Pos 1541
Matches 294; Conservative 0; Mismatch 0; Indels 0; Gaps 0;
```

QY	1	UGLIEEDRMMLPELMADKMTFDTFSHKKNRIAGVLSGGTFFESTGASREARAKMS	20
RD	141	UGLIEEDRMMLPELMADKMTFDTFSHKKNRIAGVLSGGTFFESTGASREARAKMS	200
OY	61	GVKKDDCSLVKSVDLRKESGVNKRFPDSSSGKEFLSTIDBMAMSTYYRKGIISTAVY	140
DB	201	GVKKDDCSLVKSVDLRKESGVNKRFPDSSSGKEFLSTIDBMAMSTYYRKGIISTAVY	260
OY	121	ISYRDLPLTLQSLTKGADELGLRENTIVNAELGWLENGRLSVTELPDAFGQGLI	180
DB	241	ISYRDLPLTLQSLTKGADELGLRENTIVNAELGWLENGRLSVTELPDAFGQGLI	320
OY	141	EPMKLATVMKKLGILHEERVLDMGALISFTPTRNVLGRVVQLQJGFALIKSTFEYN	240
DB	421	EPMKLATVMKKLGILHEERVLDMGALISFTPTRNVLGRVVQLQJGFALIKSTFEYN	480

07 241 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 106 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

RESULT 2

US-09-143-828 4
 Sequence 4: Application US/09140828
 Publication No. US2000042790A1

GENERAL INFORMATION

APPLICANT: Pharmacia & Upjohn

TITLE OF INVENTION: NO. US2000042790A1 Vitamin D Receptor Related Polypeptides, Nucleic Acids, and Compositions

FILE REFERENCE: 10806 65

CURRENT APPLICATION NUMBER: US/09/143,828

NUMBER OF SEQ. ID NOS: 4

SOFTWARE: Patent In Vnt. 2.0

SEQ. ID NO. 4

LENGTH: 473

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Uncloned amino acid sequence of vitamin D receptor related

OTHER INFORMATION: domain 2 (VDR2.2)

US-09-143-828 4

Query Match: 100.0% Score: 15297 DB: Length: 473
 Best Local Similarity: 100.0% Ident. No. 5,40 1513
 Matched: 294 Conserved: 02 Mismatches: 0 Indels: 0 Gaps: 0

07 1 GLELEGGRRRIKRIEMADQKLEFTEESRKNRILGVSSGDELESLGQVSRFAAKS 60
 106 GLELEGGRRRIKRIEMADQKLEFTEESRKNRILGVSSGDELESLGQVSRFAAKS 259

07 61 GYRKIDSLKSLGSLGSGGSSWNTKPYAASCKEETSLDHPMAKSTYMKETISYAKV 120
 146 GYRKIDSLKSLGSLGSGGSSWNTKPYAASCKEETSLDHPMAKSTYMKETISYAKV 273

07 121 EYFRDLPDHLGSLKKAARFVGLRNVINATVIMWQVGRISYELGAGRQGL 180
 146 EYFRDLPDHLGSLKKAARFVGLRNVINATVIMWQVGRISYELGAGRQGL 359

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 24
 146 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 119

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 146 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 473

RESULT 4

US-09-227-718 2
 Sequence 2: Application US/0922718A
 Publication No. US2000004408A1

GENERAL INFORMATION

APPLICANT: Evans, Ronald M.

TITLE OF INVENTION: NOVEL STEROID ACTIVATED NUCLEAR

FILE REFERENCE: SAKR22/01

CURRENT APPLICATION NUMBER: US/09/227,718A

FILE REFERENCE: 1999 01 08

FILE REFERENCE: 1999 01 09

NUMBER OF SEQ. ID NOS: 5

SOFTWARE: FastSeq 1.01 Windows Version 4.0

SEQ. ID NO. 2

LENGTH: 434

TYPE: PRO

ORGANISM: Homo sapiens
 FEATURE:
 OTHER INFORMATION: Xaa is threonine
 US-09-227-718 2

Query Match: 92.18% Score: 1411 DB: Length: 434
 Best Local Similarity: 94.96% Ident. No. 9,40 1492
 Matched: 276 Conserved: 2 Mismatches: 16 Indels: 0 Gaps: 0

07 1 GLELEGGRRRIKRIEMADQKLEFTEESRKNRILGVSSGDELESLGQVSRFAAKS 60
 141 GLELEGGRRRIKRIEMADQKLEFTEESRKNRILGVSSGDELESLGQVSRFAAKS 200

07 61 GYRKIDSLKSLGSLGSGGSSWNTKPYAASCKEETSLDHPMAKSTYMKETISYAKV 120
 141 GYRKIDSLKSLGSLGSGGSSWNTKPYAASCKEETSLDHPMAKSTYMKETISYAKV 260

07 121 EYFRDLPDHLGSLKKAARFVGLRNVINATVIMWQVGRISYELGAGRQGL 180
 141 EYFRDLPDHLGSLKKAARFVGLRNVINATVIMWQVGRISYELGAGRQGL 340

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 181 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 240
 141 EFMKRYMKRIQLEHYVIMQATSLSPDRVIGHRVVOIGDFATLKSTYEN 480

07 241 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 294
 141 PYSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

07 481 KVSVAIRBELFKIMAMLEIKSINAGHVGLEIRIGDHPFATIMJELFSTIGS 434

TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-153-827-2

Query Match 38.7%; Score 592; DB 9; Length 486;

Host Local Similarity 44.8%; Pred. No. 1,8e-53;
Matches 127; Conservative 46; Mismatches 71; Indels 46; Gaps 6;

QY 3 LEEQUMRLREIMADOMKTPDTTSEHKNPKLVYSSGCELESLSQADSPREAAKWSV 62
DB 138 LEEQUMRLREIMADOMKTPDTTSEHKNPKLVYSSGCELESLSQADSPREAAKWSV 171
QY 63 KRDLCSLKVSIGKRDGNSVWVKRPAQSGKKELESLLPHAMSTYMERGIIISPAKVIS 122
DB 172 -----SFSNTP-----VEUATLS--SEANMLPHLSQVYTMKIKTISPAKMP 413
QY 123 YERDULTEQSLIKGAARFQVLEFNTVFNAEGTVE CRISTQDID AAEQVQILLE 181
DB 214 YERSLDLEQSLIKGAARFQVLEFNTVFNAEGTVE CRISTQDID AAEQVQILLE 273
QY 182 EMKPEHYMKIKLQIEEEVYLMQALSLSPRPQVLDHVVQDLDQFALIKSYTEKMR 241
DB 274 EYVTHIRMKIKLVQSEHAAKMAALSTASYRPQVYTWERTKIQGHIALIKQALDSQ 333
QY 242 -PQPAHRELEKIMAMITKINSTINAGHVDILKQDIDHPEATPE MOETPE 290
DB 434 PPSQNKLLYFKIMETLEKIVNDINSKQILLEWDIQLADPEMREVPQ 483

RESULT 5

US-09-814-569-1

Sequence 1: Application US/09/814569
Patent No. US2001005815A1
GENERAL INFORMATION:
APPLICANT: Parks, Derek J.
APPLICANT: Collins, Joel L.
TITLE OF INVENTION: RECEPTOR
FILE REFERENCE: P04854
CURRENT APPLICATION NUMBER: US/09/814-569
PRIOR APPLICATION NUMBER: US/01-01-22
PRIOR FILING DATE: 2001-01-23
NUMBER OF SEQ ID NOS: 3
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 257
TYPE: PRT
ORGANISM: Homo sapiens
FEATURES:
NAME/KEY: PEPIDE
LOCATION: (1)...(11)
OTHER INFORMATION: modified host isolate tag
US 09 814-569-1

Query Match 41.4%; Score 479; DB 10; Length 257;

Host Local Similarity 39.0%; Pred. No. 5.4e-42;
Matches 112; Conservative 40; Mismatches 88; Indels 47; Gaps 4;

QY 3 LEEQUMRLREIMADOMKTPDTTSEHKNPKLVYSSGCELESLSQADSPREAAKWSV 62
DB 138 LEEQUMRLREIMADOMKTPDTTSEHKNPKLVYSSGCELESLSQADSPREAAKWSV 171
QY 63 KRDLCSLKVSIGKRDGNSVWVKRPAQSGKKELESLLPHAMSTYMERGIIISPAKVIS 122
DB 172 -----SFSNTP-----VEUATLS--SEANMLPHLSQVYTMKIKTISPAKMP 413
QY 123 YERDULTEQSLIKGAARFQVLEFNTVFNAEGTVE CRISTQDID AAEQVQILLE 181
DB 214 YERSLDLEQSLIKGAARFQVLEFNTVFNAEGTVE CRISTQDID AAEQVQILLE 273
QY 182 EMKPEHYMKIKLQIEEEVYLMQALSLSPRPQVLDHVVQDLDQFALIKSYTEKMR 241
DB 274 EYVTHIRMKIKLVQSEHAAKMAALSTASYRPQVYTWERTKIQGHIALIKQALDSQ 333

DB 150 LEEHFGILIKRLQIEEYVYLAAMALESPDRQVYQDRFEDQLEHMAILLQSTIKQDQ 209
QY 242 PQFAHRELEKIMAMITKINSTINAGHVDILKQDIDHPEATPE MOETPE 290
DB 210 KRDLCSLKVSIGKRDGNSVWVKRPAQSGKKELESLLPHAMSTYMERGIIISPAKVIS 255

RESULT 6

US-09-760-364-1

Sequence 1: Application US/09/760364
Patent No. US20020152479A1
GENERAL INFORMATION:
APPLICANT: Lehmann, Joergen Michael
APPLICANT: Shanon, Andrew Kwad-Nan
APPLICANT: Torgak, Inc.
TITLE OF INVENTION: CAR Modulators Screening and Treatment of
TITLE OF INVENTION: Hypothalamic Lesions
FILE REFERENCE: 018781-00411008
CURRENT APPLICATION NUMBER: US/09/760-364
PRIOR APPLICATION NUMBER: US/01-01-12
PRIOR FILING DATE: 2001-01-13
NUMBER OF SEQ ID NOS: 14
SOFTWARE: Patent In Vei. 2.1
SEQ ID NO 1
LENGTH: 448
TYPE: PRT
ORGANISM: Homo sapiens
FEATURES:
OTHER INFORMATION: human constitutive androgen and receptor (CAR) alpha
US 09-760-364-1

Query Match 41.4%; Score 479; DB 10; Length 448;
Host Local Similarity 49.0%; Pred. No. 8.2e-42;
Matches 112; Conservative 40; Mismatches 88; Indels 47; Gaps 4;

QY 3 LEEQUMRLREIMADOMKTPDTTSEHKNPKLVYSSGCELESLSQADSPREAAKWSV 62
DB 106 LEEQUMRLREIMADOMKTPDTTSEHKNPKLVYSSGCELESLSQADSPREAAKWSV 154
QY 63 KRDLCSLKVSIGKRDGNSVWVKRPAQSGKKELESLLPHAMSTYMERGIIISPAKVIS 122
DB 154 -----SFSNTP-----VEUATLS--SEANMLPHLSQVYTMKIKTISPAKMP 413
QY 123 YERDULTEQSLIKGAARFQVLEFNTVFNAEGTVE CRISTQDID AAEQVQILLE 181
DB 214 YERSLDLEQSLIKGAARFQVLEFNTVFNAEGTVE CRISTQDID AAEQVQILLE 273
QY 182 EMKPEHYMKIKLQIEEEVYLMQALSLSPRPQVLDHVVQDLDQFALIKSYTEKMR 241
DB 241 LEEHFGILIKRLQIEEYVYLAAMALESPDRQVYQDRFEDQLEHMAILLQSTIKQDQ 300
QY 242 PQFAHRELEKIMAMITKINSTINAGHVDILKQDIDHPEATPE MOETPE 290
DB 401 KRDLCSLKVSIGKRDGNSVWVKRPAQSGKKELESLLPHAMSTYMERGIIISPAKVIS 446

RESULT 7

US-09-760-364-9

Sequence 9: Application US/09/760364
Patent No. US20020152479A1
GENERAL INFORMATION:
APPLICANT: Lehmann, Joergen Michael
APPLICANT: Shanon, Andrew Kwad-Nan
APPLICANT: Torgak, Inc.
TITLE OF INVENTION: CAR Modulators Screening and Treatment of
TITLE OF INVENTION: Hypothalamic Lesions
FILE REFERENCE: 018781-00411008
CURRENT APPLICATION NUMBER: US/09/760-364
PRIOR APPLICATION NUMBER: US/01-01-12
PRIOR FILING DATE: 2001-01-13


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UY 64 KRGDGLKSVLSLDRHSDSVWVYKRVVDSGKELFSLPHMAMSTYMRKGLISPAKVIS 122
DB 239 -----LADP-----PUSRDADQOQFA---HFTLALISVDFIVDFAKQOV 275
UY 123 YFRLDLEFDQISLTKGAPELDQLEFNFVFNAPFTWEC---GRISVCI ED-TAGTPOQ 177
DB 276 GFLDGRERQDIALKASTLEIMLETAARVNIET---ECITLFDKDFYSKIDHRAQJQV 332
UY 178 LLELPMKRYMVKIKQJQHEEYVLMQALSLSPDRKVVQJHRYVQDQGFALDKSYI 237
DB 333 EFTNPFESRMRKRIQDADYVALLIATINIPSDRNVQSPKSVAVLQDFVFAALISVT 392
UY 238 ECRNQPAREPFLEKIMAMITELISINQHTQRL---LRIDIHFPATFMOGTEFOT 291
DB 393 RIKRPDQGLR--FPRMLMKLVSLRTLSVSHSEQVFAIRIQD--KKLIPLLSTIMV 444

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RESULT 15

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US-10-013-823-3
: Sequence 3, Application US/10018923
: Patent No. US20020116731A1
: GENERAL INFORMATION:
: APPLICANT: Abbott, Catherine
: APPLICANT: Phillips, Russell
: APPLICANT: Allen, Keith D.
: APPLICANT: Zhang, Qin
: APPLICANT: Barthault, Helene
: TITLE OF INVENTION: TRANSGENIC MICE CONTAINING RETINOID X
: TITLE OF INVENTION: RECEPTOR INTERACTING PROTEIN GENE DISRUPTIONS
: FILE REFERENCE: R-684
: CURRENT FILING DATE: US/10/013-823
: PRIOR FILING DATE: 2001-12-10
: PRIOR APPLICATION NUMBER: US 60/254,801
: PRIOR FILING DATE: 2000-12-11
: PRIOR APPLICATION NUMBER: US 60/309,404
: PRIOR FILING DATE: 2001-07-31
: NUMBER OF SEQ ID NOS: 5
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 3
: LENGTH: 461
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-013-823-3

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Query Match 15.9% Score 243.5; DB 12; Length 461;
Best Local Similarity 26.0%; Pred. No. 4,86-17;
Matches 77; Conservative 55; Mismatches 101; Indels 63; Gaps 16;

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UY 3 LTRDGHMIMELMAMQMKLDTFESHKFRILQVLSNCTELFSLQAPRRAAKWSOV 62
DB 220 LTAAGELMIDQVAAQJQCKKSS-----LQPVVITWV---253
UY 63 KRDGLKSVLSLDRHSDSVWVYKRVVDSGKELFSLPHMAMSTYMRKGLISPAKVIS 122
DB 254 -----LADP-----PUSRDADQOQFA---HFTLALISVDFIVDFAKQOV 290
UY 123 YFRLDLEFDQISLTKGAPELDQLEFNFVFNAPFTWEC---GRISVCI ED-TAGTPOQ 177
DB 291 GFLDGRERQDIALKASTLEIMLETAARVNIET---ECITLFDKDFYSKIDHRAQJQV 332
UY 178 LLELPMKRYMVKIKQJQHEEYVLMQALSLSPDRKVVQJHRYVQDQGFALDKSYI 237
DB 333 EFTNPFESRMRKRIQDADYVALLIATINIPSDRNVQSPKSVAVLQDFVFAALISVT 392
UY 238 ECRNQPAREPFLEKIMAMITELISINQHTQRL---LRIDIHFPATFMOGTEFOT 291
DB 393 RIKRPDQGLR--FPRMLMKLVSLRTLSVSHSEQVFAIRIQD--KKLIPLLSTIMV 444

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RESULT 16
US-10-188-721-1
: Sequence 1, Application US/10188721
: Publication No. US20030019180A1

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: GENERAL INFORMATION:
: APPLICANT: RAUER, ULRICH
: APPLICANT: CHERNOVILATIH, ZACHARY
: APPLICANT: DEUSCHLE, ULRICH
: APPLICANT: DNEER-NSKAIA, ELENA
: APPLICANT: CAHMAN, TIM
: APPLICANT: GUDRICH, KRISTINA
: APPLICANT: HANFAR, RONNIE
: APPLICANT: HERBERT, NORMANO
: APPLICANT: KIELY, JOHN
: APPLICANT: KOBER, INGO
: APPLICANT: KOEL, MANFRED
: APPLICANT: KRAUZ, HARALD
: APPLICANT: KREMSER, CLAUDS
: APPLICANT: LEE, MATTHEW R.
: APPLICANT: OTTE, KERSTIN
: APPLICANT: SAGE, CARLTON
: APPLICANT: SOD, MANISH
: TITLE OF INVENTION: NR104 NUCLEAR RECEPTOR BINDING COMPOUNDS
: FILE REFERENCE: 5,994-29
: CURRENT APPLICATION NUMBER: US/10/188-721
: CURRENT FILING DATE: 2002-07-01
: NUMBER OF SEQ ID NOS: 5
: SOFTWARE: Patent In Vei. 2.1
: SEQ ID NO 1
: LENGTH: 476
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-188-721-1

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Query Match 15.8% Score 241.5; DB 9; Length 476;
Best Local Similarity 31.9%; Pred. No. 8,10-17;
Matches 65; Conservative 44; Mismatches 82; Indels 13; Gaps 7;

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UY 94 KLEFSLH--MAIMSTYMRKGLISPAKVISYKRLDLEFDQISLTKGAPELDQLEFNI 150
DB 279 KEFSAEENFLLITEMALNHQVLEFVKIKQJQHEEYVLMQALSLSPDRKVVQJH 338
UY 151 VERAETGTWEGRLSYCLDTAGQFQDLEFPMKRYMVKIKQJQHEEYVLMQALSLSP 210
DB 339 LFKKRPKSHSLLEKRLNS---GISDXYITPMFSYKSLGELMKIYQEVALLTAIVLS 396
UY 211 PDRGVLDHRYVQJQHEEYVLMQALSLSPDRKVVQJHRYVQDQGFALDKSYI 269
DB 397 PDRGVLDHRYVQJQHEEYVLMQALSLSPDRKVVQJHRYVQDQGFALDKSYI 453
UY 270 KLL-RLDIDHFPATFMOGTEFOT 291
DB 454 MMSKRVNI--HMF--ITLCTIMV 475

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RESULT 17
US-10-155-379-2
: Sequence 2, Application US/10155379
: Publication No. US2003002290A1
: GENERAL INFORMATION:
: APPLICANT: BEAUS, RONALD M.
: APPLICANT: FARMAN, BARRY M.
: TITLE OF INVENTION: METHOD FOR MODULATING PROTEIN EXPRESSION BY FARNESYL ACTIVATED RECEPTORS
: NUMBER OF SEQUENCES: 7
: CORRESPONDENCE ADDRESS:
: ADDRESSER: Dr. Betty Schowder, Biogenprdm 8 Clark
: STREET: 444 South Flooker Street, Suite 2000
: CITY: Los Angeles
: STATE: CA
: COUNTRY: USA
: ZITE: 90071
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC DOS/MS DOS

```


FILE REFERENCE: F-AK 4528
 CURRENT APPLICATION NUMBER: US/09/014,604
 CURRENT FILING DATE: 2001-03-22
 NUMBER OF SEQ ID NOS: 52
 SOFTWARE: FASTSEQ for Windows Version 4.0
 SEQ ID NO: 1
 LENGTH: 462
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-014-604-1

Query Match 13.1%; Score 200; DB 9; Length 462;
 Best Local Similarity 27.0%; Pred. No. 1,66-12;
 Matches 78; Conservative 45; Mismatches 108; Indels 58; Gaps 9;

QY 3 LTFQRMHHEIMDAQMKTEFTFSHKFKRLPGVLSGCTLEPSLOAPSKFAAKSVQ 62
 DB 180 LTFPVGHILFKVKAHQETP-----PAL-----VQLGKVTINNSFO----- 216
 QY 63 KRLDLSIKVSLQGRDSDSVWYKPPADSGKELFSLPBMAMKTYMFGKLSAKVLS 122
 DB 217 -----RVSLS-----DIDMD-----KESLSIKCIKTKVPAKQJD 247
 QY 123 YFRHLPTEPQISLKGAFELQGRNFVFNK---TGWYGRURSLSTLEHTAAGPQILL 180
 DB 248 GFTTLTAQDITLLKAACTDITLRTCTRYTEQDTMPSGGLTNKQMHNAFQD-IT 306
 QY 181 EPMKRFYMKIKQDHEEYVLMQATSLSPDPRGVQHRVAVQIQGFQATILKSYLQFN 240
 DB 307 DLYFAVANOILLPMDMAYGLISATLIGDROLDQDQVMDIQPELLALKVAVKKR 366
 QY 241 RQVAFHPEFLKIMAMLEKLSINQHTQLRLD-DIHFAVPLMGEI 288
 DB 367 RPSRPH-MEPRKLMKLTDLKSLSAKAAKRVITLMELPSSMPLQDM 414

RESULT 21
 US-09-797-727-3
 Sequence 3, Application US/09797727
 Patent No. US20020077457A1
 GENERAL INFORMATION:
 APPLICANT: The Salk Institute for Biological Studies
 APPLICANT: TAKAKO, Eummaro
 TITLE OF INVENTION: GAMMA RETINOID ACID RECEPTOR
 FILE REFERENCE: SALK150-3
 CURRENT APPLICATION NUMBER: US/09/797,727
 CURRENT FILING DATE: 2001-08-31
 PRIOR APPLICATION NUMBER: US 08/486,325
 PRIOR FILING DATE: 1995-06-07
 PRIOR APPLICATION NUMBER: US 08/100,039
 PRIOR FILING DATE: 1993-07-30
 PRIOR APPLICATION NUMBER: PCT/US90/03564
 PRIOR FILING DATE: 1990-06-22
 PRIOR APPLICATION NUMBER: US 07/370,407
 PRIOR FILING DATE: 1989-06-22
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: PatentID version 3.0
 SEQ ID NO: 4
 LENGTH: 462
 TYPE: PRT
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: Human Retinoid Acid Receptor-alpha (RAR-alpha)
 US-09-797-727-3

Query Match 13.1%; Score 200; DB 10; Length 462;
 Best Local Similarity 27.0%; Pred. No. 1,66-12;
 Matches 78; Conservative 45; Mismatches 108; Indels 58; Gaps 9;
 QY 3 LTFQRMHHEIMDAQMKTEFTFSHKFKRLPGVLSGCTLEPSLOAPSKFAAKSVQ 62
 DB 180 LTFPVGHILFKVKAHQETP-----PAL-----VQLGKVTINNSFO----- 216

QY 63 KRLDLSIKVSLQGRDSDSVWYKPPADSGKELFSLPBMAMKTYMFGKLSAKVLS 122
 DB 217 -----RVSLS-----DIDMD-----KESLSIKCIKTKVPAKQJD 247
 QY 123 YFRHLPTEPQISLKGAFELQGRNFVFNK---TGWYGRURSLSTLEHTAAGPQILL 180
 DB 248 GFTTLTAQDITLLKAACTDITLRTCTRYTEQDTMPSGGLTNKQMHNAFQD-IT 306
 QY 181 EPMKRFYMKIKQDHEEYVLMQATSLSPDPRGVQHRVAVQIQGFQATILKSYLQFN 240
 DB 307 DLYFAVANOILLPMDMAYGLISATLIGDROLDQDQVMDIQPELLALKVAVKKR 366
 QY 241 RQVAFHPEFLKIMAMLEKLSINQHTQLRLD-DIHFAVPLMGEI 288
 DB 367 RPSRPH-MEPRKLMKLTDLKSLSAKAAKRVITLMELPSSMPLQDM 414

RESULT 22
 US-09-921-650-23
 Sequence 23, Application US/09921650
 Publication No. US20030022315A1
 GENERAL INFORMATION:
 APPLICANT: Bujard, Hermann
 TITLE OF INVENTION: Tetraacycline-Inducible Transcriptional Activator Fusion Proteins
 NUMBER OF SEQUENCES: 37
 ADDRESS/INVENTOR ADDRESS:
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1876
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM pc compatible
 OPERATING SYSTEM: MS-DOS/MS-WIN
 SOFTWARE: ASCII text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/921,650
 FILING DATE: 03-Aug-2001
 CLASSIFICATION: unknown
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 09/912,650
 FILING DATE: 2001-08-03
 APPLICATION NUMBER: US 08/485,978
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: US 08/463,754
 FILING DATE: 03-FEB-1995
 APPLICATION NUMBER: US 08/275,876
 FILING DATE: 15-JULY-1994
 APPLICATION NUMBER: US 08/270,647
 FILING DATE: 01-JULY-1994
 APPLICATION NUMBER: US 08/260,452
 FILING DATE: 14-JUNE-1994
 APPLICATION NUMBER: US 08/076,327
 FILING DATE: 14-JUNE-1994
 APPLICATION NUMBER: US 08/076,726
 FILING DATE: 14-JUNE-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: DeGroot, Giulio A. Jr.
 REGISTRATION NUMBER: 31,503
 REFERENCE/DOCUMENT NUMBER: 001 00966CINV
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)742-4214
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 topology: linear


```

CY 50 AHSREAAKSVQRKLLSLKVSLOLKEGDSVW--NYKPPASQKKEIFTS----- 98
DB 1PILPDELIAKQVARNIPSLIYN-QLAVIYKLWQKQDEPSEDEKRIKMSQIFNESQ 126
CY 99 ---LLPMAQMSIYMKKGIISFAKVISYFRDLPIDQISLAKNAFELIQIRF----- 148
DB 127 TQVSPRLTEITILLVOLLVERAKGIPAFKFIQEDQITLAKASVSVMMIRAKRYDHS 186
CY 149 NTFVNAETGIMWQGLSYGLPDTAGCQOQLIPMIKEHYMLKKLOLHEEYVLMQALS 207
DB 187 SDSIFFANNSYTF--KDSYKMGMAQDN-----EDLILHETKQMSKMDVNFALLIATV 239
CY 208 LFSDFRQVGHVVDVQLOFOFATILKSYIRGNR--PQPAIRFLFKIKMMLTELKSIINA 265
DB 240 LFSDFRQVGHVVDVQLOFOFATILKSYIRGNR--PQPAIRFLFKIKMMLTELKSIINA 265
CY 266 QHTQR-----LRLQDHPFATPMQELPGIT 292
DB 298 QNAEMCFSLKKNKRLPKFLEELWQVHAI-PPVSQSHQGIT 337

RESULT 25
US-09-853-450-18
: Sequence 18, Application US/099654450
: Publication No. US20020194645A1
: GENERAL INFORMATION:
: APPLICANT: Yarovitsky, Martin F.
: APPLICANT: Pataz, Soraya
: APPLICANT: Pataz, Gary
: TITLE OF INVENTION: The Regents of the University of California
: TITLE OF INVENTION: Combinations of genes for producing sweet plants
: FILE REFERENCE: 19452A 002400US
: CURRENT APPLICATION NUMBER: US/09/853.450
: NUMBER OF SEQ ID NOS: 61
: SOFTWARE: Patent In Ver. 2.1
: SEQ ID NO 18
: LENGTH: 550
: TYPE: PRT
: ORGANISM: Drosophila melanogaster
: FEATURE:
: OTHER INFORMATION: ecdysone receptor ligand binding domain
US-09-853-450-18

```

```

Query Match 12.98; Score 198; DB 9; Length 550;
Best Local Similarity 24.98; Pred. No. 3,46-12;
Matches 85; Conservative 57; Mismatches 145; Indels 64; Gaps 12;

```

```

CY 5 EGGQMMIRELMAQMKTFPTTSHEKFRMLPQVIVSSG-----CFIPESDQ 49
DB 9 ENQCAKRRKRAKQKREKMTSPSSQHGQMSLASQGGQVFKKELLDMICPPQRAI 98
CY 50 AHSREAAKSVQRKLLSLKVSLOLKEGDSVW--NYKPPASQKKEIFTS----- 98
DB 69 LILPDELIAKQVARNIPSLIYN-QLAVIYKLWQKQDEPSEDEKRIKMSQIFNESQ 127
CY 99 ---LLPMAQMSIYMKKGIISFAKVISYFRDLPIDQISLAKNAFELIQIRF----- 148
DB 128 TQVSPRLTEITILLVOLLVERAKGIPAFKFIQEDQITLAKASVSVMMIRAKRYDHS 187
CY 149 NTFVNAETGIMWQGLSYGLPDTAGCQOQLIPMIKEHYMLKKLOLHEEYVLMQALS 207
DB 188 SDSIFFANNSYTF--KDSYKMGMAQDN-----EDLILHETKQMSKMDVNFALLIATV 240
CY 208 LFSDFRQVGHVVDVQLOFOFATILKSYIRGNR--PQPAIRFLFKIKMMLTELKSIINA 265
DB 241 LFSDFRQVGHVVDVQLOFOFATILKSYIRGNR--PQPAIRFLFKIKMMLTELKSIINA 265
CY 266 QHTQR-----LRLQDHPFATPMQELPGIT 292
DB 299 QNAEMCFSLKKNKRLPKFLEELWQVHAI-PPVSQSHQGIT 338

```

```

RESULT 26
US-09-965-704-17
: Sequence 17, Application US/09965704
: Patent No. US20020119521A1
: GENERAL INFORMATION:
: APPLICANT: Rohm and Haas Company
: APPLICANT: Patis, Subba Reddy
: APPLICANT: Kapitskaya, Marianna Zinovjevna
: APPLICANT: Cross, Dean Fvlin
: TITLE OF INVENTION: No. US20020119521A1 Ecdysone Receptor Based Insectible Gene E
: FILE REFERENCE: A010208
: CURRENT APPLICATION NUMBER: US/09/965,703
: PRIOR FILING DATE: 2001-09-26
: PRIOR APPLICATION NUMBER: 60/191,455
: PRIOR FILING DATE: 2000-03-22
: PRIOR APPLICATION NUMBER: 60/269,799
: PRIOR FILING DATE: 2001-02-20
: PRIOR APPLICATION NUMBER: PCT/US01/09050
: PRIOR FILING DATE: 2001-04-21
: NUMBER OF SEQ ID NOS: 75
: SOFTWARE: Patent In version 3.1
: SEQ ID NO 17
: LENGTH: 583
: TYPE: PRT
: ORGANISM: Drosophila melanogaster
: FEATURE:
: NAME/KEY: misc_feature
: OTHER INFORMATION: No
US-09-965-704-17

```

```

Query Match 12.98; Score 198; DB 10; Length 583;
Best Local Similarity 24.98; Pred. No. 3,76-12;
Matches 85; Conservative 57; Mismatches 135; Indels 64; Gaps 12;

```

```

CY 5 EGGQMMIRELMAQMKTFPTTSHEKFRMLPQVIVSSG-----CFIPESDQ 49
DB 42 ENQCAKRRKRAKQKREKMTSPSSQHGQMSLASQGGQVFKKELLDMICPPQRAI 101
CY 50 AHSREAAKSVQRKLLSLKVSLOLKEGDSVW--NYKPPASQKKEIFTS----- 98
DB 102 LILPDELIAKQVARNIPSLIYN-QLAVIYKLWQKQDEPSEDEKRIKMSQIFNESQ 160
CY 99 ---LLPMAQMSIYMKKGIISFAKVISYFRDLPIDQISLAKNAFELIQIRF----- 148
DB 161 TQVSPRLTEITILLVOLLVERAKGIPAFKFIQEDQITLAKASVSVMMIRAKRYDHS 220
CY 149 NTFVNAETGIMWQGLSYGLPDTAGCQOQLIPMIKEHYMLKKLOLHEEYVLMQALS 207
DB 221 SDSIFFANNSYTF--KDSYKMGMAQDN-----EDLILHETKQMSKMDVNFALLIATV 274
CY 208 LFSDFRQVGHVVDVQLOFOFATILKSYIRGNR--PQPAIRFLFKIKMMLTELKSIINA 265
DB 274 LFSDFRQVGHVVDVQLOFOFATILKSYIRGNR--PQPAIRFLFKIKMMLTELKSIINA 265
CY 266 QHTQR-----LRLQDHPFATPMQELPGIT 292
DB 442 QNAEMCFSLKKNKRLPKFLEELWQVHAI-PPVSQSHQGIT 471

RESULT 27
US-09-965-704-16
: Sequence 16, Application US/09965704
: Patent No. US20020119521A1
: GENERAL INFORMATION:
: APPLICANT: Rohm and Haas Company
: APPLICANT: Patis, Subba Reddy
: APPLICANT: Kapitskaya, Marianna Zinovjevna
: APPLICANT: Cross, Dean Fvlin
: TITLE OF INVENTION: No. US20020119521A1 Ecdysone Receptor Based Insectible Gene E
: FILE REFERENCE: A010208
: CURRENT APPLICATION NUMBER: US/09/965,704

```



```

DB 324 TIVSEPHITLITLIVOLIVFAKTLIPATRIKIOEDOTILKACSEVMMLKAKRYDHS 484
UY 149 -NIVNAETIGWETIRKISVCTEDTADPFOULLIPMKIKHYMKIKIOLHEH:EVYIMCALS 207
DB 384 SISIFANNRSTY- KOSYKMAIMADN- -TEDILHPRQMSKRYINVEYALITAV 486
UY 208 LPSIDPENVIGIRVVIOLOEDPATILIKSYETNR- EYVADHETLIKIMAMTELKISINA 265
DB 437 IES-DPGLKKAQIVKALOSYIOTIKRYI- IAKHOGSMSIVFAKLSITILTELKISIN 494
UY 266 QHTOR- - - - -CLRIQIHPEAPIMQELRGLT 292
DB 495 QNAEMFSLKLNKRLKPELPEIMCHAI- PPSVOSHLOIT 534

```

RESULT 40

```

US-09-042-488H-9
1 Sequence 9, Application US/09042488H
2 Patent No. US20020177564A1
3 GENERAL INFORMATION:
4 APPLICANT: EVANS, RONALD M.
5 APPLICANT: NO, DAVID
6 APPLICANT: SAEZ, ENRIQUE
7 TITLE OF INVENTION: METHODS FOR REGULATING EXPRESSION OF EXOGENOUS GENES IN
8 FILE OF INVENTION: MAMMALIAN SYSTEMS, AND PRODUCTS REALIZED THEREIN
9 FILE REFERENCE: SALK1520-2
10 CURRENT APPLICATION NUMBER: US/09/042.488H
11 PRIOR FILING DATE: 1998-03-16
12 PRIOR APPLICATION NUMBER: 08/974,530
13 PRIOR FILING DATE: 1997-11-19
14 PRIOR APPLICATION NUMBER: 08/628,830
15 NUMBER OF SEQ ID NOS: 18
16 SOFTWARE: Patent In Ver. 2.1
17 SEQ ID NO 9
18 LENGTH: 1041
19 TYPE: PRT
20 ORGANISM: Artificial Sequence
21 FEATURE:
22 OTHER INFORMATION: Description of Artificial Sequence: Recombinant
23 US-09-042-488H-9

```

Query Match

```

12.98; Score 198; DB 9; Length 1041;

```

```

Best Local Similarity 24.98; Pctid No. 8.5e-12;

```

```

Matches 85; Conservative 57; Mismatches 35; Indels 64; Gaps 12;

```

```

UY 5 EPDMMIRELMADCKITDTITSHKKNRILPVYISG- - - - -CELPESIQ 49
DB 500 ENCGAMKREKKAQEKIKMTTSSQHGNGSISGSDYVKKELILMLTTPYQVAT 559
UY 50 AHSREAAKMSQVRKDIQSLKVSIOIGEDGSV- - -NYVPADSGKEIF- - - - - 98
DB 560 ILLPDELIAKQANRISPLYN-QLAIVYKLIWYQDGPDSIEDIRIMISQIDENESQ 618
UY 99 - - -LLPHMADMTYEFKCIISFAKVISYFROLPEDDISILKCAAFELIQH- - - - - 148
DB 619 TIVSEPHITLITLIVOLIVFAKTLIPATRIKIOEDOTILKACSEVMMLKAKRYDHS 676
UY 149 -NIVNAETIGWETIRKISVCTEDTADPFOULLIPMKIKHYMKIKIOLHEH:EVYIMCALS 207
DB 679 SISIFANNRSTY- KOSYKMAIMADN- -TEDILHPRQMSKRYINVEYALITAV 731
UY 208 LPSIDPENVIGIRVVIOLOEDPATILIKSYETNR- EYVADHETLIKIMAMTELKISINA 265
DB 732 IES-DPGLKKAQIVKALOSYIOTIKRYI- IAKHOGSMSIVFAKLSITILTELKISIN 789
UY 266 QHTOR- - - - -CLRIQIHPEAPIMQELRGLT 292
DB 790 QNAEMFSLKLNKRLKPELPEIMCHAI- PPSVOSHLOIT 829

```

RESULT 41

US-09-965-703-20

```

1 Sequence 20, Application US/09965703
2 Patent No. US20020119521A1
3 GENERAL INFORMATION:
4 APPLICANT: Rohm and Haas Company
5 APPLICANT: Faltis, Subba Reddy
6 APPLICANT: Kapilskaya, Marianna Zinov'yevna
7 APPLICANT: Stess, Ivan Evtod
8 TITLE OF INVENTION: NOC, US20020119521A1a1 Bodytone receptor based inducible gene F
9 FILE REFERENCE: A010208
10 CURRENT APPLICATION NUMBER: US/09/965,703
11 PRIOR FILING DATE: 2001-09-26
12 PRIOR APPLICATION NUMBER: 60/191,455
13 PRIOR FILING DATE: 2000-03-22
14 PRIOR FILING DATE: 2001-02-20
15 PRIOR APPLICATION NUMBER: 60/269,799
16 PRIOR FILING DATE: 2001-03-21
17 PRIOR FILING DATE: 2001-03-21
18 NUMBER OF SEQ ID NOS: 75
19 SOFTWARE: Patent In version 3.1
20 SEQ ID NO 20
21 LENGTH: 423
22 TYPE: PRT
23 ORGANISM: Prosopilia melanocephala
24 FEATURE:
25 NAME/KEY: msc-feature
26 OTHER INFORMATION: NO, US20020119521A1a1 Sequence
27 US-09-965-703-20

```

Query Match

```

12.78; Score 194.5; DB 10; Length 423;

```

```

Best Local Similarity 25.38; Pctid No. 4.0e-12;

```

```

Matches 77; Conservative 55; Mismatches 14; Indels 49; Gaps 19;

```

```

UY 5 EPDMMIRELMADCKITDTITSHKKNRILPVYISG- - - - -CELPESIQ 49
DB 8 ENCGAMKREKKAQEKIKMTTSSQHGNGSISGSDYVKKELILMLTTPYQVAT 67
UY 50 AHSREAAKMSQVRKDIQSLKVSIOIGEDGSV- - -NYVPADSGKEIF- - - - - 98
DB 68 ILLPDELIAKQANRISPLYN-QLAIVYKLIWYQDGPDSIEDIRIMISQIDENESQ 126
UY 99 - - -LLPHMADMTYEFKCIISFAKVISYFROLPEDDISILKCAAFELIQH- - - - - 148
DB 127 TIVSEPHITLITLIVOLIVFAKTLIPATRIKIOEDOTILKACSEVMMLKAKRYDHS 196
UY 149 -NIVNAETIGWETIRKISVCTEDTADPFOULLIPMKIKHYMKIKIOLHEH:EVYIMCALS 207
DB 187 SISIFANNRSTY- KOSYKMAIMADN- -TEDILHPRQMSKRYINVEYALITAV 249
UY 208 LPSIDPENVIGIRVVIOLOEDPATILIKSYETNR- EYVADHETLIKIMAMTELKISINA 265
DB 240 IES-DPGLKKAQIVKALOSYIOTIKRYI- IAKHOGSMSIVFAKLSITILTELKISIN 297
UY 266 QHTOR 269
DB 298 QNAE 301

```

RESULT 42

```

US-09-931-007A-1
1 Sequence 1, Application US/09931007A
2 Patent No. US20020119521A1
3 GENERAL INFORMATION:
4 APPLICANT: Abbott Laboratories
5 APPLICANT: Abbott Laboratories
6 TITLE OF INVENTION: SYSTEM FOR REGULATING IN VIVO THE EXPRESSION OF A TRANSDUCIBLE GENE F
7 FILE REFERENCE: 06/06,052
8 CURRENT APPLICATION NUMBER: US/09/931,007A
9 PRIOR FILING DATE: 2001-08-17
10 PRIOR APPLICATION NUMBER: FR 00/10740
11 PRIOR FILING DATE: 2000-08-18
12 PRIOR APPLICATION NUMBER: US 60/249,246
13 PRIOR FILING DATE: 2000-10-11

```



```

RESULT 35
US-09-895-840-2
Sequence 2: Application US/09895840
Patent No. US20021108148A1
GENERAL INFORMATION:
APPLICANT: Guehner, Catherine
TITLE OF INVENTION: Transgenic mice containing koranna gene
FILE OF INVENTION: 4109
FILE REFERENCE: R-409
CURRENT APPLICATION NUMBER: US/09/895,840
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: US 60/215,466
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 60/221,667
PRIOR FILING DATE: 2000-07-27
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 516
TYPE: PRT
ORGANISM: Mus musculus
US-09-895-840-2

Query Match 12.4% Score 189; DB 10; Length 516;
Best Local Similarity 27.0%; Evid. No. 2,70-11;
Matches 96; Conservative 45; Mismatches 105; Indels 60; Gaps 8;

US-09-765-111A-2
Sequence 2: Application US/09765111A
Patent No. US2002106794A1
GENERAL INFORMATION:
APPLICANT: Fletcher, Jonathan A.
TITLE OF INVENTION: PAX8-Pharmamma Nucleic Acid Molecules
FILE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF
FILE REFERENCE: R0801/7196/ERP/MAT
CURRENT APPLICATION NUMBER: US/09/765,111A
CURRENT FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: US 60/177,109
PRIOR FILING DATE: 2000-01-20
PRIOR APPLICATION NUMBER: US 60/225,079
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 777
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-765-111A-2

```

```

Query Match 12.4% Score 189; DB 10; Length 777;
Best Local Similarity 22.0%; Evid. No. 4,80-11;
Matches 70; Conservative 55; Mismatches 100; Indels 76; Gaps 11;

US-09-765-111A-2
Sequence 2: Application US/09765111A
Patent No. US2002106794A1
GENERAL INFORMATION:
APPLICANT: Fletcher, Jonathan A.
TITLE OF INVENTION: PAX8-Pharmamma Nucleic Acid Molecules
FILE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF
FILE REFERENCE: R0801/7196/ERP/MAT
CURRENT APPLICATION NUMBER: US/09/765,111A
CURRENT FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: US 60/177,109
PRIOR FILING DATE: 2000-01-20
PRIOR APPLICATION NUMBER: US 60/225,079
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 811
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-765-111A-2

Query Match 12.4% Score 189; DB 10; Length 811;
Best Local Similarity 22.0%; Evid. No. 5,10-11;
Matches 70; Conservative 55; Mismatches 109; Indels 76; Gaps 10;

US-09-765-111A-2
Sequence 2: Application US/09765111A
Patent No. US2002106794A1
GENERAL INFORMATION:
APPLICANT: Fletcher, Jonathan A.
TITLE OF INVENTION: PAX8-Pharmamma Nucleic Acid Molecules
FILE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF
FILE REFERENCE: R0801/7196/ERP/MAT
CURRENT APPLICATION NUMBER: US/09/765,111A
CURRENT FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: US 60/177,109
PRIOR FILING DATE: 2000-01-20
PRIOR APPLICATION NUMBER: US 60/225,079
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 811
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-765-111A-2

Query Match 12.4% Score 189; DB 10; Length 811;
Best Local Similarity 22.0%; Evid. No. 5,10-11;
Matches 70; Conservative 55; Mismatches 109; Indels 76; Gaps 10;

US-09-765-111A-2
Sequence 2: Application US/09765111A
Patent No. US2002106794A1
GENERAL INFORMATION:
APPLICANT: Fletcher, Jonathan A.
TITLE OF INVENTION: PAX8-Pharmamma Nucleic Acid Molecules
FILE OF INVENTION: AND POLYPEPTIDES AND USES THEREOF
FILE REFERENCE: R0801/7196/ERP/MAT
CURRENT APPLICATION NUMBER: US/09/765,111A
CURRENT FILING DATE: 2001-01-18
PRIOR APPLICATION NUMBER: US 60/177,109
PRIOR FILING DATE: 2000-01-20
PRIOR APPLICATION NUMBER: US 60/225,079
PRIOR FILING DATE: 2000-08-14
NUMBER OF SEQ ID NOS: 47
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 811
TYPE: PRT
ORGANISM: Homo Sapiens
US-09-765-111A-2

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```

Query Match      12.38; Score 188.5; DB 10; Length 445;
Host Local Similarity 26.18; Prod. No. 2.5e-11;
Matches 64; Conservative 48; Mismatches 86; Indels 45; Gaps 9;

QY 85 YKPADDSGKKEIFS-----LLPKAMSTYMFKGLISFAKVISFEDLPIDQI 133
   | : : : | | | : : : : | : : : | : : : | : : : |
DB 1 YQPSSEEDIRKIMSQPOENESQTVSPRITETILTVOLEFAKGLFAPIFKIPEQDI 60

QY 114 SLIKGAEEICQLRF-----NTVNAFTGWENGRLSYCLDPIAGSGQILLPMK 165
   : : : : | : : | : : : | : : : | : : : | : : : |
DB 61 TLKACSSSVMMIMKARHYDHSDSISIEFANNKSTF--KDSYKMACMAON-----LEQILH 113

QY 186 FHYMKLKIQTHEEYVLMQALSTSPDPGVLOHRVVDQLOPOFALTLKSYLQNR--PO 243
   | : : : | | : | | | | : : : : | : : : | : : : |
DB 114 FPKOMSMKVLAVEYALITAVITS-ORPGLKKAQIVEALQSYIDILKIVT-LNRGSD 171

QY 244 VAHRELFKIMAMLELHSTNAJTOR-----LIRGQIHVFATLMQLF 269
   : : : : | : : : | : : : | : : : | : : : |
DB 172 SMSLVEYTKLILSLILKRTIQONMAEMGFSKLKLNKKLIPKIFETIDVTHAT-PIISVQSH 232

QY 290 GIT 292
   |
DB 241 GIT 243

```

Search completed: April 15, 2003, 11:44:41
 Job time : 20.5073 secs

GenScore version 5.1.4_p5_4578
Copyright (c) 1993 2003 Compugen Ltd.

CM protein : protein search, using sw model

Run on: April 15, 2003, 11:18:57 : Search time 10.2459 Seconds
(without alignments)
844,274 Million cells updates/sec

Title: US-09-276-935D-14_COPY_141_434
Perfect score: 15.29
Sequence: 1 GSHFGPMIRREIMQNMK.....QDIHPAIPIMQELFGITGS 294

Scoring table: BLOSUM62
Gap: 10.0 , Gapext 0.5

Search: 262574 seqs, 29423922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum hit seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: /csm2_6/prodata/1/1aa/5A.COMB.pep.*
- 2: /csm2_6/prodata/1/1aa/5B.COMB.pep.*
- 3: /csm2_6/prodata/1/1aa/5A.COMB.pep.*
- 4: /csm2_6/prodata/1/1aa/5B.COMB.pep.*
- 5: /csm2_6/prodata/1/1aa/5C.COMB.pep.*
- 6: /csm2_6/prodata/1/1aa/5D.COMB.pep.*

Fred No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	59.2	48.7	486	4	US-08-875-082-2
2	479.5	41.4	448	1	US-08-459-489-10
3	479.5	41.4	448	1	US-08-458-686-10
4	479.5	41.4	448	1	US-07-843-4500-10
5	478	41.4	467	1	US-07-747-7468-4
6	470	40.7	427	4	US-08-764-870-11
7	245.5	16.1	446	5	PCT-US95-16311-3
8	245.5	16.1	446	5	PCT-US95-16311-3
9	244.5	16.0	446	4	US-08-776-844-2
10	243.5	15.9	461	1	US-08-330-518-2
11	243.5	15.9	461	1	US-08-330-283-2
12	243.5	15.9	461	2	US-08-646-248-2
13	243.5	15.9	461	5	PCT-US95-13924-2
14	243.5	15.9	461	5	PCT-US95-13931-2
15	242.5	15.9	460	1	US-08-442-411A-2
16	241.5	15.8	472	1	US-08-406-641-2
17	240.5	15.7	443	1	US-08-442-411A-4
18	239	15.6	440	1	US-08-333-358-8
19	239	15.6	440	1	US-08-463-634-8
20	239	15.6	440	1	US-08-694-501-8
21	239	15.6	447	1	US-08-374-945-1
22	236	15.4	443	2	US-08-466-120-2
23	236	15.4	443	2	PCT-US94-07266-2
24	234.5	15.3	451	2	US-08-472-652-2
25	234.5	15.3	451	5	PCT-US95-16311-2
26	234.5	15.3	484	2	US-08-372-652-1
27	234.5	15.3	484	5	PCT-US95-16311-1

28	231.5	15.1	469	3	US-08-472-183-2	Sequence 2, App1
29	231.5	15.1	469	4	US-09-469-721-2	Sequence 2, App1
30	231.5	15.1	469	4	US-09-696-443-2	Sequence 2, App1
31	231.5	15.1	469	5	PCT-US95-17043-2	Sequence 2, App1
32	228	14.9	461	4	US-08-764-870-1	Sequence 4, App1
33	228	14.9	461	4	US-08-980-115-3	Sequence 4, App1
34	219	14.3	455	6	5223606-4	Sequence 6, App1
35	210	13.7	674	4	US-08-653-644A-14	Sequence 14, App1
36	206.5	13.5	410	4	US-08-764-870-2	Sequence 2, App1
37	206.5	13.5	410	4	US-08-980-115-2	Sequence 2, App1
38	206.5	13.5	410	6	5438126-2	Sequence 6, App1
39	202.5	13.2	410	4	US-08-764-870-1	Sequence 1, App1
40	202.5	13.2	410	4	US-08-980-115-1	Sequence 1, App1
41	201	13.1	368	6	5223606-3	Sequence 6, App1
42	201	13.1	448	6	5223606-2	Sequence 6, App1
43	200	13.1	462	2	US-08-592-184-2	Sequence 2, App1
44	200	13.1	462	2	US-08-095-7285-4	Sequence 4, App1
45	200	13.1	462	5	PCT-US92-0240A-4	Sequence 4, App1

ALIGNMENTS

RESULT 1
US-08-875-082-2
Sequence 2, Application US-08875082
Patient No. 6391847
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Rumberg, Bruce
TITLE OF INVENTION: A NOVEL RXI-DEPENDENT SIGNALING PATHWAY
TITLE OF INVENTION: AND LIGANDS USEFUL THEREFOR
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freudenrich, LLP
STREET: 4365 Executive Dr, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92121
COMPUTER READABLE FORM:
METHOD TYPE: Floppy disk
COMPILED: IBM PC compatible
OPERATING SYSTEM: PC-16/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US-08-875-082
FILING DATE:
CLASSIFICATION: 435
PCTOR APPLICATION DATA:
APPLICATION NUMBER: US-08-174-445
FILING DATE: 17 JAN 1995
ATTORNEY/AGENT INFORMATION:
NAME: Better, Stephen E.
REGISTRATION NUMBER: 34,102
REFERENCE/EXCERPT NUMBER: 141 9887
RECOMMENDATION INFORMATION:
TELEPHONE: 619-677-1409
TELEFAX: 619-677-1465
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 486 amino acids
TYPE: amino acid
Topology: linear
MULTIPLE TYPE: protein
US-08-875-082-2
Query Match 38.78, Score 59.2, DB 4, Length 486
Best Local Similarity 43.8%, Fred. No. 1, 10-55,
Matches 127, Consistency 46, Mismatches 71, Indels 46, Gaps 6,
4 LIFE:GPMIRREIMQNMK...QDIHPAIPIMQELFGITGS 294

DB 181 VERSTLEIHOJSLKGAVERDHEVNTPELOJNFCOPHRYLIEDARVFOVEFLE 240
 QY 182 PMKEFYMRLKJOLHEEYVLMQALSLSPRPGVLOHVRVDOLOJOFANILKSYFENR 241
 DB 241 LPHHGTGTRKQLODEPRVYVLAAMALESPRPGVTOGRDHPQLOHEMALTOJSTKQV 500
 QY 242 POFARHFLFKIMAMITLRSINAOHTOKILKODIHFAVPIRMOI 288
 DB 301 RRPORHFLYAKLGLIALRSTINPAGVVOIHOIGLSAM MLILOFI 446

RESULT 4

US-07-843-450C-10
 Sequence 10: Application US/0784350C

GENERAL INFORMATION:
 PATENT No. 5756448
 APPLICANT: David D. Moore et al.
 TITLE OF INVENTION: CAN RECEPTORS AND RELATED
 TITLE OF INVENTION: MOLECULES AND METHODS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson
 STREET: 225 Franklin Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" diskette, 1.44 Mb
 OPERATING SYSTEM: IBM PC DOS (Version 3.30)
 SOFTWARE: WordPerfect (Version 5.0)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/843,350C
 FILING DATE: February 26, 1992
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Paul T. Clark
 REGISTRATION NUMBER: 30,162
 REFERENCE/DOCKET NUMBER: 00786/126001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 542-5070
 TELEFAX: (617) 542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 348
 TYPE: amino acid
 STRANDEDNESS: N/A
 TOPOLOGY: linear
 US-07-843 450C 10

Query Match 31.4% Score 479.5; DB 1: Length 348;
 Best Local Similarity 39.0%; Prod. No. 1.3e-43;

Matches 112; Conservative 40; Mismatches 88; Indels 47; Gaps 4;

QY 3 LEECHMMI RELIOMKLTDTTFSHKRFRPLVLSGGELESLOASREFAAKWSV 62
 DB 106 LSKQFELLRLIAGHIRKIMGFQVQFRPALPILHO-ELEPLAD----- 153
 QY 63 KRLDLSKVSJOLRHRDGSVMVYKRPALDSCKELFSLPHMAIMSTYMKGLISPAKVIS 122
 DB 154 -----VLPVTHFADINTEPKLVQVTKIKOLE 180
 QY 123 YKQPLLEQJSLAKVAALFQGLRENTVFNAGDQIMVGGRIASVCEITAT-GRQVLE 181
 DB 181 VFLHHTLEQJSLAKVAALFQGLRENTVFNAGDQIMVGGRIASVCEITAT-GRQVLE 240
 QY 182 PMKEFYMRLKJOLHEEYVLMQALSLSPRPGVLOHVRVDOLOJOFANILKSYFENR 241

DB 241 LPHHGTGTRKQLODEPRVYVLAAMALESPRPGVTOGRDHPQLOHEMALTOJSTKQV 500
 QY 242 POFARHFLFKIMAMITLRSINAOHTOKILKODIHFAVPIRMOI 288
 DB 301 RRPORHFLYAKLGLIALRSTINPAGVVOIHOIGLSAM MLILOFI 446

RESULT 5

US-07-737-736H-4

Sequence 4: Application US/07737736H
 Patent No. 5260199

GENERAL INFORMATION:
 APPLICANT: Belard, Hector F.
 APPLICANT: Boss, Troy K.
 APPLICANT: Pruthi, Jean M.
 TITLE OF INVENTION: Method of Producing
 TITLE OF INVENTION: 1,25-dihydroxyvitamin D3 Receptor Protein
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Carl R. Schwartz, Esq., c/o Qualis & Hardy
 STREET: 411 East Wisconsin Avenue
 CITY: Milwaukee
 STATE: Wisconsin
 COUNTRY: U.S.A.
 ZIP: 53202
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/737,736H
 FILING DATE: 19910740
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Schwartz, Carl R.
 REGISTRATION NUMBER: 29,437
 REFERENCE/DOCKET NUMBER: 96-296-2185-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 414-277-5715
 TELEFAX: 414-277-5774
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 367 amino acids
 TYPE: AMINO ACID
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHEICAL: No
 ANTI-SENSE: No
 ORIGIN: SOURCE:
 ORGANISM: Rat
 PUBLICATION INFORMATION:
 AUTHORS: Belard, Hector F.
 AUTHORS: Boss, Troy K.
 TITLE: Isolation and expression of rat
 TITLE: 1,25-dihydroxyvitamin D3 receptor cDNA
 JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
 VOLUME: 85
 PAGES: 1005-1009
 DATE: February 1988
 US-07-737-736H-4

Query Match 31.4% Score 478; DB 1: Length 367;
 Best Local Similarity 37.4%; Prod. No. 2.7e-43;

Matches 114; Conservative 50; Mismatches 108; Indels 29; Gaps 7;

QY 3 LEECHMMI RELIOMKLTDTTFSHKRFRPLVLSGGELESLOASREFAAKWSV 60
 DB 68 LSKQFELLRLIAGHIRKIMGFQVQFRPALPILHO-ELEPLAD----- 124

US-09-172-652-4

Query Match 16.1% Score 245.52 DB 2: Length 446;

Best Local Similarity 26.0% Prod. No. 3,70-18;

Matches 77: Conserved 56; Mismatches 100: Indels 64 Gaps 10;

UY 1 LTFEJMMKREIMAMKPTTTSHEKNEPLDVSNSTPELSQVSRKAAKSV 62

DB 205 LTAAGLMLGQVLAAGLQNKRS - - - - - DQKRVW - - - 238

UY 63 KRLDLSKVSQJLRHNSVNNKPPADSKRETSLLPDMAMSVMKGLISAKVIS 122

DB 239 - - - - - LGAD - - - - - FQSRDAQQFA - - - - - HETLALISVGEIVDFAKVQV 275

UY 123 YERDLEEDQISLKGAFELQURENTVENAETW - - - - - DRLSYLED JAGGQV 177

DB 276 GRLGRLGRLQALKASITELMLQIARVNHET - - - - - ECTITKIDFYSKQDFHRAVLY 442

UY 178 LLEPLMKRHYMKRLQJHEHYVMQALISLSPDRQSVLQHRVVDQVGFATILKSYL 247

DB 433 EFINLFEESKARMLQIDAFYALLIATIESADRENVQPSVEALQGFVEALISYL 492

UY 238 EENRPPAHREPLKIMAMTELKSTINQHTORL - - - - - LRQDIHFAPIMQELFGL 291

DB 494 KRRPQDQRL - - - - - FPRMLKIVSLKILSSVSHQVFAIRLQD - - - - - KRLPILSLIMV 444

RESULT 8

Sequence 3: Application PCT/US9516311

GENERAL INFORMATION:

APPLICANT: MOORE, David

APPLICANT: SPOT, Wendi

APPLICANT: CHOI, Hyeon-Sik

TITLE OF INVENTION: RETINOID X RECEPTOR INTERACTING

NUMBER OF INVENTION: POLYPEPTIDES AND RELATED MOLECULES AND METHODS

ADDRESS: 17

CORRESPONDENCE ADDRESS:

ADDRESS: Fish & Richardson P.C.

STREET: 225 Franklin Street, Suite 3100

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/16311

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/472,652

FILING DATE: 14-JAN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Clark, Paul T.

REGISTRATION NUMBER: 30,162

REFERENCE/DOCKET NUMBER: 00786/246001

TELEPHONE: 617/542-5070

TELEPHONE: 617/542-8906

TELEPHONE: 200154

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 446 amino acids

TYPE: amino acid

STRANDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: Protein

PCT-US95-16311-3

Query Match 16.1% Score 245.52 DB 5: Length 446;

Best Local Similarity 26.0% Prod. No. 4,70-18;

Matches 77: Conserved 56; Mismatches 100: Indels 64 Gaps 10;

UY 1 LTFEJMMKREIMAMKPTTTSHEKNEPLDVSNSTPELSQVSRKAAKSV 62

DB 205 LTAAGLMLGQVLAAGLQNKRS - - - - - DQKRVW - - - 238

UY 63 KRLDLSKVSQJLRHNSVNNKPPADSKRETSLLPDMAMSVMKGLISAKVIS 122

DB 239 - - - - - LGAD - - - - - FQSRDAQQFA - - - - - HETLALISVGEIVDFAKVQV 275

UY 123 YERDLEEDQISLKGAFELQURENTVENAETW - - - - - DRLSYLED JAGGQV 177

DB 276 GRLGRLGRLQALKASITELMLQIARVNHET - - - - - ECTITKIDFYSKQDFHRAVLY 442

UY 178 LLEPLMKRHYMKRLQJHEHYVMQALISLSPDRQSVLQHRVVDQVGFATILKSYL 247

DB 433 EFINLFEESKARMLQIDAFYALLIATIESADRENVQPSVEALQGFVEALISYL 492

UY 238 EENRPPAHREPLKIMAMTELKSTINQHTORL - - - - - LRQDIHFAPIMQELFGL 291

DB 494 KRRPQDQRL - - - - - FPRMLKIVSLKILSSVSHQVFAIRLQD - - - - - KRLPILSLIMV 444

RESULT 9

Sequence 2: Application US/08/776844

Patent No. 6,277,976

GENERAL INFORMATION:

APPLICANT: ENMARK, EVA

APPLICANT: CONSTANSON, JAN

TITLE OF INVENTION: OR-10N ORPHAN RECEPTOR BELONGING

NUMBER OF INVENTION: TO THE NUCLEAR RECEPTOR FAMILY

CORRESPONDENCE ADDRESS:

ADDRESS: Bannet & Witcomb

STREET: 1001 S Street, NW

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: 3 1/2 inch diskette

OPERATING SYSTEM: IBM compatible

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/776,844

FILING DATE: 24-JUN-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/EP95/03247

FILING DATE: 16-AUG-1995

APPLICATION NUMBER: 08/941,536.2

FILING DATE: 16-AUG-1994

ATTORNEY/AGENT INFORMATION:

NAME: Kagan, Sarah A

REGISTRATION NUMBER: 32141

REFERENCE/DOCKET NUMBER: 00487/04029

TELEPHONE: 202-508-9100

TELEPHONE: 202-508-9299

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 446 amino acids

TYPE: amino acid

STRANDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-776-844-2

Query Match 16.0% Score 244.52 DB 4: Length 446;

UY 4 LIFEFORMMELIMQMKTEPOTPSHKRNPLOVLSGTELFESI QADSPFAKRSV 62
 DB 220 LIAAQLMLOU LVAAGUQNKRSFS-----DQKRVWV 253
 UY 63 KRDI/SIAKVSIGLKEGDSVWVWKPMPSGKRELSLIPMAWSTYMKKQIISPAKVS 122
 DB 254 -----LQAD-----FOSRIAKVQKFA---HEFLALISNGEIVFAKRV 290
 UY 123 YEPDLPTEHQISLKGAAPELOU RENVVNAELGIMW-----GRISVTEO IAGTHV 177
 DB 291 GELQGREQUALUKASILEMELFAKRNHET---EGLTFLKDTYSKDIHFAKRV 447
 UY 178 LLEPMKEFHYMKKLOJHEHYVMALISLSPDRGVLOHVVQLGEQALIKSYI 237
 DB 348 EFINLFEPSAKRKLOJLODAKVALIATINPSADRI NVOLPGREVALGQVFAKVALSYI 407
 UY 238 ENKQVPAHRELEKTMAMITLPSINAOHTORL--LRIGDTHPEALPMOELPVI 291
 DB 408 KIKRQVQUR--FPRMLKIVSLKISSVHSEQVFAIRIGD--KRLPILSEIMV 459

RESULT 12
 US-08-646-248-2
 Sequence 2, Application US/08646248
 Patent No. 5939322
 GENERAL INFORMATION:
 APPLICANT: Friedman, Elton
 APPLICANT: Holmway, M. Kathleen
 APPLICANT: Rodan, Gordon
 APPLICANT: Rutledge, Su Jane
 APPLICANT: Schmidt, Arnel
 APPLICANT: Vogel, Robert
 TITLE OF INVENTION: METHOD FOR FINDING RECEPTOR POTENTIALS
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESS: Metek & Co., Inc.
 STREET: 126 East Lincoln Avenue
 CITY: Rahway
 STATE: New Jersey
 COUNTRY: US
 ZIP: 07065-0907
 COMPUTER READABLE FORM:
 METHOD TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/646,248
 FILING DATE: 14-MAY-1996
 CLASSIFICATION: 536
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/440,284
 FILING DATE: 27-OCT-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: Dolan, Catherine A.
 REGISTRATION NUMBER: 36,502
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (908) 594-4283
 TELEFAX: (908) 594-4720
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 461 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYDROPHILIC: NO
 ANTI-SENSE: NO
 US-08-646-248-2

Query Match 15.9% Score 24.5% DB 2 Length 461
 Best Local Similarity 26.0% Prod. No. 6,5e-18

Matches 77 Conservative 55 Mismatches 10 Indels 6 Gaps 10
 UY 4 LIFEFORMMELIMQMKTEPOTPSHKRNPLOVLSGTELFESI QADSPFAKRSV 62
 DB 220 LIAAQLMLOU LVAAGUQNKRSFS-----DQKRVWV 253
 UY 63 KRDI/SIAKVSIGLKEGDSVWVWKPMPSGKRELSLIPMAWSTYMKKQIISPAKVS 122
 DB 254 -----LQAD-----FOSRIAKVQKFA---HEFLALISNGEIVFAKRV 290
 UY 123 YEPDLPTEHQISLKGAAPELOU RENVVNAELGIMW-----GRISVTEO IAGTHV 177
 DB 291 GELQGREQUALUKASILEMELFAKRNHET---EGLTFLKDTYSKDIHFAKRV 447
 UY 178 LLEPMKEFHYMKKLOJHEHYVMALISLSPDRGVLOHVVQLGEQALIKSYI 237
 DB 348 EFINLFEPSAKRKLOJLODAKVALIATINPSADRI NVOLPGREVALGQVFAKVALSYI 407
 UY 238 ENKQVPAHRELEKTMAMITLPSINAOHTORL--LRIGDTHPEALPMOELPVI 291
 DB 408 KIKRQVQUR--FPRMLKIVSLKISSVHSEQVFAIRIGD--KRLPILSEIMV 459

RESULT 14
 PCT-US95-14924-2
 Sequence 2, Application PCT/US9514924
 GENERAL INFORMATION:
 APPLICANT: Friedman, Elton
 APPLICANT: Holmway, M. Kathleen
 APPLICANT: Rodan, Gordon
 APPLICANT: Rutledge, Su Jane
 APPLICANT: Schmidt, Arnel
 APPLICANT: Vogel, Robert
 TITLE OF INVENTION: METHOD FOR FINDING RECEPTOR POTENTIALS
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESS: Metek & Co., Inc.
 STREET: 126 East Lincoln Avenue
 CITY: Rahway
 STATE: New Jersey
 COUNTRY: US
 ZIP: 07065-0907
 COMPUTER READABLE FORM:
 METHOD TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/14924
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Gagliardo, Carol S.
 REGISTRATION NUMBER: 35,440
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (908) 594-3809
 TELEFAX: (908) 594-4720
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 461 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYDROPHILIC: NO
 ANTI-SENSE: NO
 PCT-US95-14924-2

Query Match 15.9% Score 24.5% DB 6 Length 461
 Best Local Similarity 26.0% Prod. No. 6,5e-18
 Matches 77 Conservative 55 Mismatches 10 Indels 6 Gaps 10

Db 290 GFGUJGKREUJALAKASTLEIMLETARVNHET---ECITTEKDPFTYSKDPFHAGUOV 446
 Uy 178 TLLEPMLKRYMJKKJQJHEEYVIMQATISESDRGVQLQHVVUJQOPUATIKSYI 237
 Db 347 EFNIPFESKRRMRIGIDAVYALLAINIFESADRDVQVQKRVFALQVVEALISYI 406
 Uy 248 EFNIPFARFLEKIMAMLETIKSTNOBTQRL--LRIGDIPFAPIMJQLEFCI 291
 Db 407 RYKRVQJQJR--FPMMLKRLVSLKLSVSHSCVYFALRIOD--KRLPILISIMWV 458

RESULT 16
 US-08-496-641-2
 ? Sequence 2, Application US/08496631
 ? Patent No. 5728548
 ? GENERAL INFORMATION:
 ? APPLICANT: Korman, Michael
 ? TITLE OF INVENTION: STEARLD RECEPTOR RRI
 ? NUMBER OF SEQUENCES: 7
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESS: Genetec Inc.,
 ? STREET: 87 Cambridge Park Drive
 ? CITY: Cambridge
 ? STATE: Massachusetts
 ? COUNTRY: U.S.A.
 ? FILING DATE: 02/14/00
 ? COMPUTER READABLE FORM:
 ? METHOD TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent In Release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/496,631
 ? FILING DATE:
 ? CLASSIFICATION: 435
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Brown, Scott A.
 ? REGISTRATION NUMBER: 32,724
 ? REFERENCE/DOCKET NUMBER: G15248
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (617) 498-8224
 ? TELEFAX: (617) 876-5851
 ? INFORMATION FOR SEQ ID NO: 2:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 472 amino acids
 ? TYPE: amino acid
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: protein
 ? US-08-496-631-2

Query Match 15.8% Score 241.5; DB 1; Length 472;
 Best Local Similarity 31.9% Prod No. 1,1e-17;
 Matches 65; Conservative 44; Mismatches 82; Indels 14; Gaps 7;
 Uy 94 KELESLIPH--MAQSTYMERGILSFQVSYFEDLPDTHQJSLKGAFFLQVLRFEI 150
 Db 275 KEESAEHNNILITLMAIINHYVLEFETKRIJGQCLDHDHJQALIKOSVAPMLLRSAF 444
 Uy 151 VTNAGETWYVCHSTGLHDYAGVQJLLTMRPHYMKKJQJHEEYVIMQATISLPS 210
 Db 435 EFKKRLCSHLSQLEERHNS GTSDEYITPMSFYKSGEIKMQEVEFALLATVLS 492
 Uy 211 PDRPVYQHVNVVQJOPUATIKSYTEGNNQV--PAHREPKIKIMAMLETIKSTNOBTQ 269
 Db 493 PDRPVYQHVNVVQJOPUATIKSYTEGNNQV--PAHREPKIKIMAMLETIKSTNOBTQ 449
 Uy 270 RLL--KIDGHPATPMLQKMGAI 291
 Db 450 LMSMWVND--HKP-TPLDQEMDV 471

RESULT 17
 US-08-342-411A-4

? Sequence 4, Application US/08342411A
 ? Patent No. 5689616
 ? GENERAL INFORMATION:
 ? APPLICANT: LIAO, Shunshun
 ? APPLICANT: SONG, Ching
 ? TITLE OF INVENTION: ORPHOTOUS NUCLEAR RECEPTOR
 ? NUMBER OF SEQUENCES: 38
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESS: Atroid, White & Burke
 ? STREET: P.O. Box 1443
 ? CITY: Houston
 ? STATE: TX
 ? COUNTRY: USA
 ? FILING DATE: 07/21/00
 ? COMPUTER READABLE FORM:
 ? METHOD TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent In Release #1.0, Version #1.30
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/342,411A
 ? FILING DATE: 07-21-2000
 ? CLASSIFICATION: 435
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: KITTEL, BARBARA S.
 ? REGISTRATION NUMBER: 33,928
 ? REFERENCE/DOCKET NUMBER: A610154
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (512) 418-0000
 ? TELEFAX: (713) 789-2679
 ? INFORMATION FOR SEQ ID NO: 4:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 443 amino acids
 ? TYPE: amino acid
 ? TOPOLOGY: linear
 ? US-08-342-411A-4

Query Match 15.7% Score 240.5; DB 1; Length 443;
 Best Local Similarity 25.7% Prod No. 1,1e-17;
 Matches 70; Conservative 55; Mismatches 102; Indels 64; Gaps 10;
 Uy 3 LEECHMMIRLIMQUMKPDTHSHKKNFLDQVSGQELFESIAQVSRFAAKWQV 62
 Db 202 LIAQJLIMQJLVAVUJQCNKRFS-----CQKRVIMQ 245
 Uy 63 KKLQSLAKVSLDQKQIDKQSVNKNYKQVPAISGKETPSLITPMAMSTYMKKILISAKVIS 122
 Db 246 -----LAD-----PUSIDABQCFR--HETITATISQELVIAFKQVP 272
 Uy 123 YERDLPFHQJSLKGAFFLQVRFNVNMAEDHWP--GHSVYLPDIAVDFQV 177
 Db 273 GFGUJGKREUJALAKASTLEIMLETARVNHET--ETTFIKQETYSKDPFHAGUOV 429
 Uy 178 TLLEPMLKRYMJKKJQJHEEYVIMQATISESDRGVQLQHVVUJQOPUATIKSYI 237
 Db 430 EFNIPFESKRRMRIGIDAVYALLAINIFESADRDVQVQKRVFALQVVEALISYI 406
 Uy 248 EFNIPFARFLEKIMAMLETIKSTNOBTQRL--LRIGDIPFAPIMJQLEFCI 291
 Db 493 PDRPVYQHVNVVQJOPUATIKSYTEGNNQV--PAHREPKIKIMAMLETIKSTNOBTQ 449
 Uy 270 RLL--KIDGHPATPMLQKMGAI 291
 Db 450 LMSMWVND--HKP-TPLDQEMDV 471
 RESULT 18
 US-08-434-456-8
 ? Sequence 8, Application US/08434458
 ? Patent No. 5571696
 ? GENERAL INFORMATION:
 ? APPLICANT: EVANS, Ph.D., RONALD M.
 ? APPLICANT: MANDERSHOEK, Ph.D., JAVIER J.
 ? APPLICANT: ONG, MS., ESTHER L. S.
 ? APPLICANT: ONG, Ph.D., ANTHONY E.

```

1  APPLICANT:  GEORGE PH.D., VINCENT NM
2  APPLICANT:  YAO M., ISO PANI NMN
3  TITLE OF INVENTION:  NVEL DETECTIONS
4  NUMBER OF INVENTORS:  14
5  ADDRESS/INVENTOR ADDRESS:
6  STREET:  444 So. Flower St., Suite 2000
7  CITY:  Los Angeles
8  STATE:  CA
9  COUNTRY:  US
10  ZIP:  90017-2721
11  NUMBER AVAILABLE FORMS:
12  METHOD TYPE:  floppy disk
13  OPERATING SYSTEM:  pc dos/MS DOS
14  SOFTWARE:  Patent to be used #1.0, Version #1.25
15  CURRENT APPLICATION DATA:
16  APPLICATION NUMBER:  US/08/444,694
17  FILING DATE:
18  CLASSIFICATION:  435
19  PRIOR APPLICATION DATA:
20  APPLICATION NUMBER:  US/07/761,008
21  FILING DATE:
22  AGENCY/AGENT INFORMATION:
23  NAME:  Bolet Ph.D., Stephen E.
24  REGISTRATION NUMBER:  41192
25  REFERENCE/WORK NUMBER:  P-1 8946
26  TELEPHONE:  (619) 545 9001
27  TELEFAX:  (619) 545 8949
28  INFORMATION FOR SEQ ID NO: 1:
29  SEQUENCE CHARACTERISTICS:
30  LENGTH: 440 amino acids
31  TYPE:  amino acid
32  TOPOLOGY:  linear
33  MOLECULE TYPE:  protein
34  DS: 08 444 694 B
35
36  GENEY MATCH:  15.683 Score 2499, DB 12 Length 4403
37  Host Local Similarity:  41.863 Prod. No. 136 172
38  Matches:  623 Conserved:  472 Mismatches:  769 Indels:  103 Gaps:  6
39
40  102  JMAQMSYMKKLSIAVSYKSLITLQSLTKCAAPFYGLKFNVEN  APTGM 159
41  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
42  149  DQAPLYLATA GFGQLLEMLKRYMKKLDHEEYVMQALSTPSRQVQ  218
43  151  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
44  169  LKPSYNGDFAKALQVDFNLTFPSRAMEGLNAPFALLALSTPSADRWQD  267
45  171  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
46  219  HRYVQLOFQALTKSYLTPNPGVAHREFLKIMAMLEKSTNAQHPQL--  276
47  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
48  308  QLVGRLOLVYVALDVSTLDDH  DDMETRMKLVSLKLSVSHVQVALMDQ  429
49  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
50  277  HRFATPLMQLPL  291
51  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
52  426  KKLPLSLSEIMW  438
53
54  RESULT 19
55  DS: 08 444 694 B
56  Sequence N, Application US/0844694
57  Patent No. 507004
58  CENTRAL INFORMATION:
59  APPLICANT:  EVANS Ph.D., RONALD M.
60  APPLICANT:  MANDUSOFF Ph.D., DAVID J.
61  APPLICANT:  ONG MS., ESTELITA S.
62  APPLICANT:  GAO Ph.D., ANTHONY E.
63  APPLICANT:  BOGMEYER Ph.D., DORE K.
64  APPLICANT:  GEORGE Ph.D., VINCENT NMN
65  APPLICANT:  YAO M., ISO PANI NMN
66  TITLE OF INVENTION:  NVEL DETECTIONS

```

```

1  NUMBER OF SEQUENCES:  14
2  ADDRESS/INVENTOR ADDRESS:
3  STREET:  444 So. Flower St., Suite 2000
4  CITY:  Los Angeles
5  STATE:  CA
6  COUNTRY:  US
7  ZIP:  90017-2721
8  NUMBER AVAILABLE FORMS:
9  METHOD TYPE:  floppy disk
10  OPERATING SYSTEM:  pc dos/MS DOS
11  SOFTWARE:  Patent to be used #1.0, Version #1.25
12  CURRENT APPLICATION DATA:
13  APPLICATION NUMBER:  US/08/444,694
14  FILING DATE:  05/08/1995
15  CLASSIFICATION:  435
16  PRIOR APPLICATION DATA:
17  APPLICATION NUMBER:  US 07/761,008
18  FILING DATE:  17 SEP 1991
19  AGENCY/AGENT INFORMATION:
20  NAME:  Bolet Ph.D., Stephen E.
21  REGISTRATION NUMBER:  41192
22  REFERENCE/WORK NUMBER:  P-1 8946
23  TELEPHONE:  (619) 545 9001
24  TELEFAX:  (619) 545 8949
25  INFORMATION FOR SEQ ID NO: 1:
26  SEQUENCE CHARACTERISTICS:
27  LENGTH: 440 amino acids
28  TYPE:  amino acid
29  TOPOLOGY:  linear
30  MOLECULE TYPE:  protein
31  DS: 08 444 694 B
32
33  GENEY MATCH:  15.683 Score 2499, DB 12 Length 4403
34  Host Local Similarity:  41.863 Prod. No. 136 172
35  Matches:  623 Conserved:  472 Mismatches:  769 Indels:  103 Gaps:  6
36
37  102  JMAQMSYMKKLSIAVSYKSLITLQSLTKCAAPFYGLKFNVEN  APTGM 159
38  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
39  149  DQAPLYLATA GFGQLLEMLKRYMKKLDHEEYVMQALSTPSRQVQ  218
40  151  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
41  169  LKPSYNGDFAKALQVDFNLTFPSRAMEGLNAPFALLALSTPSADRWQD  267
42  171  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
43  219  HRYVQLOFQALTKSYLTPNPGVAHREFLKIMAMLEKSTNAQHPQL  276
44  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
45  308  QLVGRLOLVYVALDVSTLDDH  DDMETRMKLVSLKLSVSHVQVALMDQ  426
46  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
47  277  HRFATPLMQLPL  291
48  111  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
49  426  KKLPLSLSEIMW  438
50
51  RESULT 20
52  DS: 08 444 694 B
53  Sequence N, Application US/0844694
54  Patent No. 507004
55  CENTRAL INFORMATION:
56  APPLICANT:  EVANS Ph.D., RONALD M.
57  APPLICANT:  MANDUSOFF Ph.D., DAVID J.
58  APPLICANT:  ONG MS., ESTELITA S.
59  APPLICANT:  GAO Ph.D., ANTHONY E.
60  APPLICANT:  BOGMEYER Ph.D., DORE K.
61  APPLICANT:  GEORGE Ph.D., VINCENT NMN
62  APPLICANT:  YAO M., ISO PANI NMN
63  TITLE OF INVENTION:  NVEL DETECTIONS
64  NUMBER OF SEQUENCES:  14
65  ADDRESS/INVENTOR ADDRESS:
66  STREET:  444 So. Flower St., Suite 2000

```


QY 94 KEFESLPH--MADSTYKGIISPAKVISFEDLPTEQISLKGAEFLQLENI 150
 DB 254 KEPSAEENFLITLMTASHVQILVEFTKKLPQTLDEHQAALLKGSVAEMFLKSAE 414
 QY 151 VVNAETWGTGSLTDMAGFQVQLLEPMLEKFMKLLQIHHEEYVMAAISLS 210
 DB 314 LPNKKLPAGHALLERIKRS--GISDEYLLPMFSFYKSVTELMKQDEFAALLIAVILS 414
 QY 211 PDROYVQIRHVVDQOPATLKSYIECNRPQ-PAHREPLKIMAMLTLSRINQHTQ 269
 DB 372 PDROYIKRQKRAVEKLEPILLDVLQKCKRKYOHENPOH--FACILQMLTEFLTNHHA 428
 QY 270 RLL--RIQDHPHFPATLMQELQI 291
 DB 429 MLMSRVND-HKF-TTLGRLIMQV 450

RESULT 25
 PCT-0595-16311-2
 : Sequence 2, Application PC/T050516311
 : GENERAL INFORMATION:
 : APPLICANT: Moore, David
 : APPLICANT: Speel, Monni
 : APPLICANT: Choi, Hyun-Sik
 : TITLE OF INVENTION: RETINOID X RECEPTOR-INTERACTING
 : TITLE OF INVENTION: POLYPEPTIDES AND RELATED MOLECULES AND METHODS
 : NUMBER OF INVENTIONS: 17
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Fish & Richardson P.C.
 : STREET: 225 Franklin Street, Suite 3100
 : CITY: Boston
 : STATE: MA
 : COUNTRY: USA
 : ZIP: 02110-2804
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: P-1/US95/16311
 : FILING DATE:
 : PRIORITY APPLICATION DATA:
 : APPLICATION NUMBER: 08/472,652
 : FILING DATE: 13-JAN-1995
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Clark, Paul T.
 : REGISTRATION NUMBER: 30,162
 : REFERENCE/DOCKET NUMBER: 00786/246001
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 617/542-5070
 : TELEFAX: 617/542-8906
 : TELEX: 200154
 : INFORMATION FOR SEQ ID NO: 2:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 451 amino acids
 : TYPE: amino acid
 : STRANDEDNESS: not relevant
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 : PCT-0595-16311-2

Query Match 15.48; Score 24.5; DB % Length 451;
 Best Local Similarity 41.98; Pred. No. 5,96-17;
 Matches 65; Conservative 41; Mismatches 85; Indels 13; Gaps 7;

QY 94 KEFESLPH--MADSTYKGIISPAKVISFEDLPTEQISLKGAEFLQLENI 150
 DB 254 KEPSAEENFLITLMTASHVQILVEFTKKLPQTLDEHQAALLKGSVAEMFLKSAE 414
 QY 151 VVNAETWGTGSLTDMAGFQVQLLEPMLEKFMKLLQIHHEEYVMAAISLS 210
 DB 314 LPNKKLPAGHALLERIKRS--GISDEYLLPMFSFYKSVTELMKQDEFAALLIAVILS 414
 QY 211 PDROYVQIRHVVDQOPATLKSYIECNRPQ-PAHREPLKIMAMLTLSRINQHTQ 269
 DB 372 PDROYIKRQKRAVEKLEPILLDVLQKCKRKYOHENPOH--FACILQMLTEFLTNHHA 428
 QY 270 RLL--RIQDHPHFPATLMQELQI 291
 DB 429 MLMSRVND-HKF-TTLGRLIMQV 450

DB 314 LPNKKLPAGHALLERIKRS--GISDEYLLPMFSFYKSVTELMKQDEFAALLIAVILS 414
 QY 211 PDROYVQIRHVVDQOPATLKSYIECNRPQ-PAHREPLKIMAMLTLSRINQHTQ 269
 DB 372 PDROYIKRQKRAVEKLEPILLDVLQKCKRKYOHENPOH--FACILQMLTEFLTNHHA 428
 QY 270 RLL--RIQDHPHFPATLMQELQI 291
 DB 429 MLMSRVND-HKF-TTLGRLIMQV 450

RESULT 26
 US-08-472-652-1
 : Sequence 1, Application US/08472652
 : Patent No. 5942609
 : GENERAL INFORMATION:
 : APPLICANT: Moore, David
 : APPLICANT: Speel, Monni
 : APPLICANT: Choi, Hyun-Sik
 : TITLE OF INVENTION: RETINOID X RECEPTOR-INTERACTING
 : TITLE OF INVENTION: POLYPEPTIDES AND RELATED MOLECULES AND METHODS
 : NUMBER OF INVENTIONS: 17
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Fish & Richardson P.C.
 : STREET: 225 Franklin Street, Suite 3100
 : CITY: Boston
 : STATE: MA
 : COUNTRY: USA
 : ZIP: 02110-2804
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/472,652
 : FILING DATE: 13-JAN-1995
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Clark, Paul T.
 : REGISTRATION NUMBER: 30,162
 : REFERENCE/DOCKET NUMBER: 00786/246001
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 617/542-5070
 : TELEFAX: 617/542-8906
 : TELEX: 200154
 : INFORMATION FOR SEQ ID NO: 1:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 484 amino acids
 : TYPE: amino acid
 : STRANDEDNESS: not relevant
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 : US-08-472-652-1

Query Match 15.48; Score 24.5; DB % Length 484;
 Best Local Similarity 41.98; Pred. No. 5,96-17;
 Matches 65; Conservative 41; Mismatches 85; Indels 13; Gaps 7;

QY 94 KEFESLPH--MADSTYKGIISPAKVISFEDLPTEQISLKGAEFLQLENI 150
 DB 254 KEPSAEENFLITLMTASHVQILVEFTKKLPQTLDEHQAALLKGSVAEMFLKSAE 414
 QY 151 VVNAETWGTGSLTDMAGFQVQLLEPMLEKFMKLLQIHHEEYVMAAISLS 210
 DB 314 LPNKKLPAGHALLERIKRS--GISDEYLLPMFSFYKSVTELMKQDEFAALLIAVILS 414
 QY 211 PDROYVQIRHVVDQOPATLKSYIECNRPQ-PAHREPLKIMAMLTLSRINQHTQ 269
 DB 372 PDROYIKRQKRAVEKLEPILLDVLQKCKRKYOHENPOH--FACILQMLTEFLTNHHA 428
 QY 270 RLL--RIQDHPHFPATLMQELQI 291
 DB 429 MLMSRVND-HKF-TTLGRLIMQV 450

STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patcutin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/08/372,183
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 41,192
REFERENCE/BOOKET NUMBER: P41 9844
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 469 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: Protein
US-09-469-721-2

Query Match 15.1% Score 231.5; DB 4; Length 469;
Best Local Similarity 32.5%; Prod. No. 1,3e-16;
Matches 67; Conservative 42; Mismatches 80; Indels 17; Gaps 9;

QY 94 KEFSLPH--MAKSTYMERGLISPAKVIYSPRLPIEDQSLKGAFAELQLENT 150
DB 272 KEFSAEENFLITLMAISVOLLVEFTKRIKPGQTLHDHDLALILKGSVAFMFSRAE 341
QY 151 VNAE--TGWEGRLSYGLDTAGGQQLLEPMKFNHMKKLDLHEEYVLMQATSL 208
DB 332 IFKKLLPIPTQCKKEF--EKAAPMR--YITPMSPYSVSGTAKTQGFALLAIYI 387
QY 209 FSDPRGVLOHKNVQLOFOPAITLKSYTEGNRP--FAHRELEKIMAMITKRSINAGH 267
DB 388 LSPDRGYIKRGAVERKLOEPILADYQKCKIYQEPNQH--FATLIGRLILKIFNNHH 444
QY 268 TORLL--RIODIHPRATIMQELFI 291
DB 445 AEMLSMKRVND HKF-TILLGRIWIV 468

RESULT 30
US-09-696-443-2
Sequence 2, Application US/09696443
Patent No. 6416957
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
Forman, Barry M.
Weinberger, Gary A.
TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
BY FARNESOID ACTIVATED RECEPTORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: Freely, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patcutin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/696,443
FILING DATE: 24-Oct 2000
CLASSIFICATION: (Unknown)
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/372,183
FILING DATE: (Unknown)
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 41,192
REFERENCE/BOOKET NUMBER: P41 9844
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 469 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-696-443-2

Query Match 15.1% Score 231.5; DB 4; Length 469;
Best Local Similarity 32.5%; Prod. No. 1,3e-16;
Matches 67; Conservative 42; Mismatches 80; Indels 17; Gaps 9;

QY 94 KEFSLPH--MAKSTYMERGLISPAKVIYSPRLPIEDQSLKGAFAELQLENT 150
DB 272 KEFSAEENFLITLMAISVOLLVEFTKRIKPGQTLHDHDLALILKGSVAFMFSRAE 341
QY 151 VNAE--TGWEGRLSYGLDTAGGQQLLEPMKFNHMKKLDLHEEYVLMQATSL 208
DB 332 IFKKLLPIPTQCKKEF--EKAAPMR--YITPMSPYSVSGTAKTQGFALLAIYI 387
QY 209 FSDPRGVLOHKNVQLOFOPAITLKSYTEGNRP--FAHRELEKIMAMITKRSINAGH 267
DB 388 LSPDRGYIKRGAVERKLOEPILADYQKCKIYQEPNQH--FATLIGRLILKIFNNHH 444
QY 268 TORLL--RIODIHPRATIMQELFI 291
DB 445 AEMLSMKRVND HKF-TILLGRIWIV 468

RESULT 31
POT-0895-17023-2
Sequence 2, Application PC/089617023
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
Forman, Barry M.
Weinberger, Gary A.
TITLE OF INVENTION: METHOD FOR MODULATING PROCESSES MEDIATED
BY FARNESOID ACTIVATED RECEPTORS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESS: Freely, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patcutin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC/0895/17023
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.

NAME/KEY: DOMAIN
 LOCATION: (211)-(461)
 OTHER INFORMATION: minimal ligand binding domain
 US-08-980-115-3

Query Match 14.98: Score 228; DB 4; Length 461;

Best Local Similarity 27.78: Prod. No. 3,16-15;
 Matches 72; Conservative 41; Mismatches 125; Indels 28; Gaps 8;

QY 43 ELPEST---QAPSEFAAKWSVQRKQ/SLKVSJLQGEQGSVNNKPP----- 88
 DB 203 ELKSTQHKPEPDEE---WELL-KIVLEAVATNAQ---GSHKKQKPKF1 PEDIGAD1 295
 QY 89 -AASGKKEIFSLPHMAQSYMKKGIIISPAKVISYPRQIPEDQISLKGAAFIHQV 146
 DB 256 VNAPEGCKVLEAFSHEKTIITPAITRYVDPAKKIIPKGTCLPCEQDIIILKQWELMSL 415
 QY 147 KFNIVNAETGTWEG-QRLSYCEDTARCPQQLLEPMIKHYMKKIQIHEEYVIMQA 205
 DB 316 KAAVYDPESETLLNGEMAVIRGQIKNGLGVSDAIFQIMSTSSFNIDIEVAIQA 475
 QY 206 ILSFSPRPGVIOHVVQDIOFOFATLKSYTEGRRPQAPRPLETKIMALTEKSIQA 265
 DB 376 VILMSIRPGIACVKEIKVYQDSITLAEHYINYNKKNHYTH-FWPKILKAVTIDAKIGA 433
 QY 266 QHTQRLRIQDHP--FAITPMGEIF 289
 DB 434 CHASFLMKVECTELLPLEVEF 459

RESULT 34
 5.223606-4

PATENT NO. 5,223,606
 APPLICANT: BLAUDIN DE IHE, HUGHES, MARCITO, ACINES, TIOUATS,
 PIERRE, DEJEAN, ANNE
 TITLE OF INVENTION: STEROID/HYPOID HORMONE RECEPTOR-RELATED
 PROTEIN INAPPROPRIATELY EXPRESSED IN HUMAN BRIDGECELLULAR CARCINOMA
 NUMBER OF SEQUENCES: 11
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/134,130
 FILING DATE: 17-DEC-1987
 PRIOR APPLICATION DATA:
 SEQ ID NO. 4:
 LENGTH: 455
 5.223606-4

Query Match 14.38: Score 219; DB 6; Length 355;

Best Local Similarity 26.78: Prod. No. 2e-15;
 Matches 71; Conservative 41; Mismatches 126; Indels 28; Gaps 8;

QY 43 ELPEST---QAPSEFAAKWSVQRKQ/SLKVSJLQGEQGSVNNKPP----- 88
 DB 97 ELKSTQHKPEPDEE---WELL-KIVLEAVATNAQ---GSHKKQKPKF1 PEDIGAD1 149
 QY 89 -AASGKKEIFSLPHMAQSYMKKGIIISPAKVISYPRQIPEDQISLKGAAFIHQV 146
 DB 150 VNAPEGCKVLEAFSHEKTIITPAITRYVDPAKKIIPKGTCLPCEQDIIILKQWELMSL 209
 QY 147 KFNIVNAETGTWEG-QRLSYCEDTARCPQQLLEPMIKHYMKKIQIHEEYVIMQA 205
 DB 210 KAAVYDPESETLLNGEMAVIRGQIKNGLGVSDAIFQIMSTSSFNIDIEVAIQA 269
 QY 206 ILSFSPRPGVIOHVVQDIOFOFATLKSYTEGRRPQAPRPLETKIMALTEKSIQA 265
 DB 270 VILMSIRPGIACVKEIKVYQDSITLAEHYINYNKKNHYTH-FWPKILKAVTIDAKIGA 427
 QY 266 QHTQRLRIQDHP--FAITPMGEIF 289
 DB 328 CHASFLMKVECTELLPLEVEF 353

RESULT 35
 US-08-953-648A-14

Sequence 14; Application US/0865648A
 Patent No. 6,379,945
 GENERAL INFORMATION:
 APPLICANT: Jepson, Ian
 APPLICANT: Greenland, Andrew
 APPLICANT: Martinez, Alberto
 TITLE OF INVENTION: A G-protein
 FILE REFERENCE: PPD/50047/US

CURRENT APPLICATION NUMBER: US/08/654,648A
 CURRENT FILING DATE: 1996-05-24
 PRIOR APPLICATION NUMBER: GR 9510759.5
 PRIOR FILING DATE: 1995-05-26
 PRIOR APPLICATION NUMBER: GR 9605650.9
 PRIOR FILING DATE: 1996-03-18
 PRIOR APPLICATION NUMBER: GR 9513882.2
 PRIOR FILING DATE: 1995-07-07
 PRIOR APPLICATION NUMBER: GR 9517416.7
 PRIOR FILING DATE: 1995-08-24
 NUMBER OF SEQ ID NOS: 65
 SOFTWARE: Patent version 3.9
 SEQ ID NO 14
 LENGTH: 674
 TYPE: PRT
 ORGANISM: Aedes aegypti
 US-08-953-648A-14

Query Match 13.78: Score 210; DB 4; Length 674;
 Best Local Similarity 26.88: Prod. No. 4.7e-13;
 Matches 79; Conservative 55; Mismatches 119; Indels 42; Gaps 11;

QY 21 TPTFTSHKKNFRCVSSQCEPESQAP-SHEFAAKWSVQRKQ/SLKVSJLQGEQD 79
 DB 287 TVSTINYSYSELPLMK-CIOTPHQATIIIPKIQDNRLKN-TELLANQAVAY 442
 QY 80 GSWA---MKVPAISGKKEIFSLP-----HMAQSYMKKGIIISPAKVISY 124
 DB 343 KLVYQVNPQSEELKRIKMGSPNEDEQDHPKRIETIIIVQILVEFAKIPAF 402
 QY 125 RDTPEQDISELKGAFELGQRFENVNAPETG-WFGKISYCEDTARCPQQLLEPM 184
 DB 403 KIPQEQIILLKAKSSVMMKMAKRYDAVATDITVANNISYTRISYMAKAAIIEEL 462
 QY 184 KRFHYMKKIQIHEEYVIMQAISLSPDRPGVIOHVVQDIOFOFATLKSYTEK 241
 DB 464 IHPKQWELMSLVNVEYVALLAIVTS-DRGLQVAVLEHYINYNKKNHYTH-ENQA 520
 QY 242 POFANRETEKIMALTEKSIQAQHTQ-----ELK-----LODHP 279
 DB 521 GDRKQSVTEAKLSITELKRIQNGNSIMQTSIKKKNKIPRIETIIIVQDHP 575

RESULT 36
 US-08-764-870-2

Sequence 2; Application US/08764870
 Patent No. 6,236,946

GENERAL INFORMATION:

APPLICANT: Stauden, Thomas S
 APPLICANT: Baxter, John D
 APPLICANT: Fletcher, Robert J
 APPLICANT: Wagner, Richard L
 APPLICANT: Koshino, Peter J
 APPLICANT: Apolloni, James W
 TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
 TITLE OF INVENTION: Binding Domains
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESS: Geoffrey Godward
 STREET: Five Palo Alto Square, 4000 El Camino Real
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94306

```

1  CURRENT APPLICANT NUMBER: 05/08/704,115
2  CURRENT FILING DATE: 1997-11-26
3  EARLIER APPLICATION NUMBER: 08/704,870
4  EARLIER FILING DATE: 1996-12-13
5  EARLIER APPLICATION NUMBER: 60/008,606
6  EARLIER FILING DATE: 1995-12-14
7  EARLIER APPLICATION NUMBER: 60/008,643
8  EARLIER FILING DATE: 1995-12-14
9  EARLIER APPLICATION NUMBER: 60/008,640
10  EARLIER FILING DATE: 1995-12-14
11  NUMBER OF SEQ. TO NOS: 17
12  SEQUENCE: Patent to West, 2.0
13  SEQ. TO NO. 2
14  LENGTH: 410
15  TYPE: PRT
16  ORGANISM: Homo sapiens
17  FEATURE:
18  NAME/KEY: DOMAIN
19  LOCATION: (157)-(410)
20  OTHER INFORMATION: mutational ligand binding domain
21  US 08-980-115-2
22
23  QUERY MATCH 14.5% Score 206.5; DB 4; Length 410;
24  Best Local Similarity 25.2%; Prod. No. 5,40-14;
25  Matches 70; Conserved 42; Mismatches 113; Indels 53; Gaps 8;
26
27  5.2 SHEPARKSVYKRIQSLKVSIGLGE -----DSVWYKRP 87
28  141 NQGRKKKKEKRRIR -----SLGQRFPTFRKGLIHATFAHRSINAGSHMKRKKRL 192
29  88 FADSKREKLEPSI -----LTHMAQSYVYKRIISPAKVISYFQDLEIQLSLK 147
30  194 LDDFQSVFVSPHKKVDEAFSEPKITTAIVYVFAKKIIMESLFEVQLILK 252
31  148 GAATVGFQFVFNVAETWE-GGHSYGLDFAVQVQLLEMLKPYMKKQIHL 196
32  254 DVMKIMSLKAAVYRTPSSDITSLDMAVKRIQKMDLVNVAITPEKSSANILQ 412
33  197 EEVYVMAISLSPHGVYQHVYQVQVATTKSYLQNPVAKRLEKIKIM 252
34  413 DEVALDVLIMSDISGLGVDRSPAVILAEVYVNRKINITH- FWRKILMK 470
35
36  25.2 LPTLSTNAQHTQRLKIQ DHPFATPIQMLP 289
37  471 VTIQKRIAGVASHRIKRVGTFILPPLP PLFLVDF 405
38
39  RESULT 48
40  Patent No. 5498126
41  APPLICANT: DEBORET, J. NAKAI, AKIRA
42  TITLE OF INVENTION: HUMAN HYPODERMONE RECEPTOR DNA
43  NUMBER OF SEQUENCES: 2
44  CURRENT APPLICANT DATA:
45  APPLICANT NUMBER: 05/078 007,766
46  FILING DATE: 03 FEB 1992
47  PRIOR APPLICATION DATA:
48  APPLICATION NUMBER: 4005,442
49  FILING DATE: 11 SEP 1989
50  SEQ. TO NO. 2
51  LENGTH: 410
52  ORIGIN: 2
53
54  QUERY MATCH 14.5% Score 206.5; DB 4; Length 410;
55  Best Local Similarity 25.2%; Prod. No. 5,40-14;
56  Matches 70; Conserved 42; Mismatches 113; Indels 53; Gaps 8;
57
58  5.2 SHEPARKSVYKRIQSLKVSIGLGE -----DSVWYKRP 87
59  141 NQGRKKKKEKRRIR -----SLGQRFPTFRKGLIHATFAHRSINAGSHMKRKKRL 192
60  88 FADSKREKLEPSI -----LTHMAQSYVYKRIISPAKVISYFQDLEIQLSLK 147
61  194 LDDFQSVFVSPHKKVDEAFSEPKITTAIVYVFAKKIIMESLFEVQLILK 252
62  148 GAATVGFQFVFNVAETWE-GGHSYGLDFAVQVQLLEMLKPYMKKQIHL 196
63  254 DVMKIMSLKAAVYRTPSSDITSLDMAVKRIQKMDLVNVAITPEKSSANILQ 412
64  197 EEVYVMAISLSPHGVYQHVYQVQVATTKSYLQNPVAKRLEKIKIM 252
65  413 DEVALDVLIMSDISGLGVDRSPAVILAEVYVNRKINITH- FWRKILMK 470
66
67  25.2 LPTLSTNAQHTQRLKIQ DHPFATPIQMLP 289
68  471 VTIQKRIAGVASHRIKRVGTFILPPLP PLFLVDF 405
69
70  RESULT 47
71  Patent No. 5498126
72  APPLICANT: DEBORET, J. NAKAI, AKIRA
73  TITLE OF INVENTION: HUMAN HYPODERMONE RECEPTOR DOMAINS
74  FILE REFERENCE: DNA 246/02105

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1  CURRENT APPLICANT NUMBER: 05/08/704,115
2  CURRENT FILING DATE: 1997-11-26
3  EARLIER APPLICATION NUMBER: 08/704,870
4  EARLIER FILING DATE: 1996-12-13
5  EARLIER APPLICATION NUMBER: 60/008,606
6  EARLIER FILING DATE: 1995-12-14
7  EARLIER APPLICATION NUMBER: 60/008,643
8  EARLIER FILING DATE: 1995-12-14
9  EARLIER APPLICATION NUMBER: 60/008,640
10  EARLIER FILING DATE: 1995-12-14
11  NUMBER OF SEQ. TO NOS: 17
12  SEQUENCE: Patent to West, 2.0
13  SEQ. TO NO. 2
14  LENGTH: 410
15  TYPE: PRT
16  ORGANISM: Homo sapiens
17  FEATURE:
18  NAME/KEY: DOMAIN
19  LOCATION: (157)-(410)
20  OTHER INFORMATION: mutational ligand binding domain
21  US 08-980-115-2
22
23  QUERY MATCH 14.5% Score 206.5; DB 4; Length 410;
24  Best Local Similarity 25.2%; Prod. No. 5,40-14;
25  Matches 70; Conserved 42; Mismatches 113; Indels 53; Gaps 8;
26
27  5.2 SHEPARKSVYKRIQSLKVSIGLGE -----DSVWYKRP 87
28  141 NQGRKKKKEKRRIR -----SLGQRFPTFRKGLIHATFAHRSINAGSHMKRKKRL 192
29  88 FADSKREKLEPSI -----LTHMAQSYVYKRIISPAKVISYFQDLEIQLSLK 147
30  194 LDDFQSVFVSPHKKVDEAFSEPKITTAIVYVFAKKIIMESLFEVQLILK 252
31  148 GAATVGFQFVFNVAETWE-GGHSYGLDFAVQVQLLEMLKPYMKKQIHL 196
32  254 DVMKIMSLKAAVYRTPSSDITSLDMAVKRIQKMDLVNVAITPEKSSANILQ 412
33  197 EEVYVMAISLSPHGVYQHVYQVQVATTKSYLQNPVAKRLEKIKIM 252
34  413 DEVALDVLIMSDISGLGVDRSPAVILAEVYVNRKINITH- FWRKILMK 470
35
36  25.2 LPTLSTNAQHTQRLKIQ DHPFATPIQMLP 289
37  471 VTIQKRIAGVASHRIKRVGTFILPPLP PLFLVDF 405
38
39  RESULT 48
40  Patent No. 5498126
41  APPLICANT: DEBORET, J. NAKAI, AKIRA
42  TITLE OF INVENTION: HUMAN HYPODERMONE RECEPTOR DNA
43  NUMBER OF SEQUENCES: 2
44  CURRENT APPLICANT DATA:
45  APPLICANT NUMBER: 05/078 007,766
46  FILING DATE: 03 FEB 1992
47  PRIOR APPLICATION DATA:
48  APPLICATION NUMBER: 4005,442
49  FILING DATE: 11 SEP 1989
50  SEQ. TO NO. 2
51  LENGTH: 410
52  ORIGIN: 2
53
54  QUERY MATCH 14.5% Score 206.5; DB 4; Length 410;
55  Best Local Similarity 25.2%; Prod. No. 5,40-14;
56  Matches 70; Conserved 42; Mismatches 113; Indels 53; Gaps 8;
57
58  5.2 SHEPARKSVYKRIQSLKVSIGLGE -----DSVWYKRP 87
59  141 NQGRKKKKEKRRIR -----SLGQRFPTFRKGLIHATFAHRSINAGSHMKRKKRL 192
60  88 FADSKREKLEPSI -----LTHMAQSYVYKRIISPAKVISYFQDLEIQLSLK 147
61  194 LDDFQSVFVSPHKKVDEAFSEPKITTAIVYVFAKKIIMESLFEVQLILK 252
62  148 GAATVGFQFVFNVAETWE-GGHSYGLDFAVQVQLLEMLKPYMKKQIHL 196
63  254 DVMKIMSLKAAVYRTPSSDITSLDMAVKRIQKMDLVNVAITPEKSSANILQ 412
64  197 EEVYVMAISLSPHGVYQHVYQVQVATTKSYLQNPVAKRLEKIKIM 252
65  413 DEVALDVLIMSDISGLGVDRSPAVILAEVYVNRKINITH- FWRKILMK 470
66
67  25.2 LPTLSTNAQHTQRLKIQ DHPFATPIQMLP 289
68  471 VTIQKRIAGVASHRIKRVGTFILPPLP PLFLVDF 405
69
70  RESULT 47
71  Patent No. 5498126
72  APPLICANT: DEBORET, J. NAKAI, AKIRA
73  TITLE OF INVENTION: HUMAN HYPODERMONE RECEPTOR DOMAINS
74  FILE REFERENCE: DNA 246/02105

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DB 194 PDIIGSPVSMGRIKRVLEAFSEFKLITLITRVVDPAKRIIPNSELPTFETUILLK 252
CY 138 GAAPFQULRFNIVNAGETQW-CGRISYCL EPTAGPQULLEPM KHYMKRIQL 196
DB 253 GCTMEIMSLAAVARYDESOTLILUSGMAVREKRLKNGIACVSNALFELKSLASVNI 412
CY 197 EEEVLMQATLSLSPRPVLOHVRVLOEOPATLKSYFENRDPFAHRTILKIMM 256
DB 314 DIFVALLOAVILKSTKRSKSLVDKTEKSGEAYILAFPHYVNIHKHNPFI-FWIKILKK 470
CY 257 LTELRSIMAGHTQRLRLQ--DIHPATPLMOELF 289
DB 471 VTIIRMGAGHASKPLMKVEYETLELP--PLPLEYF 405

RESULT 49
US-08-764-870-1
Sequence 1, Application US/08764870
Patent No. 6,236,946
GENERAL INFORMATION:
APPLICANT: Scanlan, Thomas S
APPLICANT: Baxter, John D
APPLICANT: Fletorick, Robert J
APPLICANT: Wagner, Richard L
APPLICANT: Kishner, Peter J
APPLICANT: Applelli, James W
APPLICANT: West, Brian
TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand
FILE OF INVENTION: Binding Domains
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: Coolley Contract
STREET: Five Palo Alto Square, 3000 El Camino Real
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/764,870
FILING DATE: 13-DEC-1996
CLASSIFICATION: 540
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/008,540
FILING DATE: 13-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/008,543
FILING DATE: 13-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/008,606
FILING DATE: 14-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: Nakamura, Jackie N
REGISTRATION NUMBER: 35,966
REFERENCE/DOCKET NUMBER: 08AL-246/0115
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)843-6000
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLGY: linear
MOLECULE TYPE: protein
US-08-764-870-1

Query Match 13.2% Score 202.5; DB 4; Length 410;
Best Local Similarity 24.8%; Prod. No. 1,5e-13;
Matches 69; Conservative 44; Mismatches 113; Indels 53; Gaps 8;

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CY 52 SREFAKMSOVERKILGSLKVSGLQRLR 185
DB 141 NREERREEMIR -STGGRPTPTPREMH IYVAIEHISIMASIMKSRKPKK 192
CY 88 PAUSGKEPEST...-LHMALMSYMKGLISPAKVSFEPOLPTQSLK 137
DB 194 PDIIGSPVSMGRIKRVLEAFSEFKLITLITRVVDPAKRIIPNSELPTFETUILLK 252
CY 138 GAAPFQULRFNIVNAGETQW-CGRISYCL EPTAGPQULLEPM KHYMKRIQL 196
DB 253 GCTMEIMSLAAVARYDESOTLILUSGMAVREKRLKNGIACVSNALFELKSLASVNI 412
CY 197 EEEVLMQATLSLSPRPVLOHVRVLOEOPATLKSYFENRDPFAHRTILKIMM 256
DB 314 DIFVALLOAVILKSTKRSKSLVDKTEKSGEAYILAFPHYVNIHKHNPFI-FWIKILKK 470
CY 257 LTELRSIMAGHTQRLRLQ--DIHPATPLMOELF 289
DB 471 VTIIRMGAGHASKPLMKVEYETLELP--PLPLEYF 405

RESULT 40
US-08-980-115-1
Sequence 1, Application US/08980115
Patent No. 6,266,622
GENERAL INFORMATION:
APPLICANT: Scanlan, Thomas S
APPLICANT: Baxter, John D
APPLICANT: Fletorick, Robert J
APPLICANT: Wagner, Richard L
APPLICANT: Kishner, Peter J
APPLICANT: Applelli, James W
APPLICANT: West, Brian
TITLE OF INVENTION: Nuclear Receptor Ligands and Ligand Binding Domains
FILE REFERENCE: 08AL-246/0208
CURRENT APPLICATION NUMBER: US/08/980,115
EARLIER FILING DATE: 1997-11-26
EARLIER APPLICATION NUMBER: 08/764,870
EARLIER FILING DATE: 1996-12-14
EARLIER APPLICATION NUMBER: 60/008,606
EARLIER FILING DATE: 1995-12-14
EARLIER APPLICATION NUMBER: 60/008,544
EARLIER FILING DATE: 1995-12-14
EARLIER APPLICATION NUMBER: 60/008,540
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1
LENGTH: 410
TYPE: PRT
ORGANISM: Rattus sp.
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (157)-(410)
OTHER INFORMATION: minimal ligand binding domain
FEATURE:
NAME/KEY: DOMAIN
LOCATION: (394)-(405)
OTHER INFORMATION: activation domain
US-08-980-115-1

Query Match 13.2% Score 202.5; DB 4; Length 410;
Best Local Similarity 24.8%; Prod. No. 1,5e-13;
Matches 69; Conservative 44; Mismatches 113; Indels 53; Gaps 8;
CY 52 SREFAKMSOVERKILGSLKVSGLQRLR 185
DB 141 NREERREEMIR -STGGRPTPTPREMH IYVAIEHISIMASIMKSRKPKK 192
CY 88 PAUSGKEPEST...-LHMALMSYMKGLISPAKVSFEPOLPTQSLK 137
DB 194 PDIIGSPVSMGRIKRVLEAFSEFKLITLITRVVDPAKRIIPNSELPTFETUILLK 252
CY 138 GAAPFQULRFNIVNAGETQW-CGRISYCL EPTAGPQULLEPM KHYMKRIQL 196
DB 253 GCTMEIMSLAAVARYDESOTLILUSGMAVREKRLKNGIACVSNALFELKSLASVNI 412
CY 197 EEEVLMQATLSLSPRPVLOHVRVLOEOPATLKSYFENRDPFAHRTILKIMM 256
DB 314 DIFVALLOAVILKSTKRSKSLVDKTEKSGEAYILAFPHYVNIHKHNPFI-FWIKILKK 470
CY 257 LTELRSIMAGHTQRLRLQ--DIHPATPLMOELF 289
DB 471 VTIIRMGAGHASKPLMKVEYETLELP--PLPLEYF 405

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00 194 PLOUQNSPVTMBUOKKVLAPBETFKLITATLEVVJFARKKJMBESLPTJQJLTK 252
 07 100 GAAFEVQJKTIVENAVETWE QJQJSTJEDTANQVQJLLEEMKETHMKKQJH 196
 00 254 000 MBESLBAVPTDIESDITLISGEBVVKQJLKNQJVVSTQATFTJGKSLAFND 412
 07 197 FFEVIMQALTESESGQVJQJHVVQJQJQJATFKSYCEJNPTQJAHQJELKJMM 256
 00 414 JETVALLQVALLMSTJQJGLQJQJQJQJQJQJQJQJQJQJQJQJQJQJQJQJQJ 470
 07 257 JFEJSEJNAGJTOJLQJQJ QJQJQJQJQJQJQJQJQJQJQJQJQJQJQJQJQJ 289
 00 471 VJHJMBJQJ 405

Search completed: April 11 1997 11:22:59
 Job Name: 141_434_0000